

20020928.qrp v02_n692.qrl.20020928

Date: Sat, 28 Sep 2002 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2692

QRP-L Digest 2692

Topics covered in this issue include:

- 1) [136346] probagation???? Question
by IamSF5@aol.com
- 2) [136347] Ham Magazines
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 3) [136348] Re: "Looking It Up"
by Donn Kuse <casey.jay@gte.net>
- 4) [136349] Need a room for QRPacificon
by "Joe Everhart" <n2cx@voicenet.com>
- 5) [136350] New antenna workd
by "John Dorson" <jdorson@worldshare.net>
- 6) [136351] Antenna interaction
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [136352] QRP Afield (N0TU, NK0E, N0MHQ) pics
by "Dave Ek" <ekdave@earthlink.net>
- 8) [136353] Rock Mite to Croatia
by Jim Cluett <w1pid@yahoo.com>
- 9) [136354] OP - Who's on 7122 Khz. in the eastern US?
by Harry Hurst <wa3ptg@comcast.net>
- 10) [136355] Re: QRP Afield (N0TU, NK0E, N0MHQ) pics
by "res075cz" <res075cz@gte.net>
- 11) [136356] Re: Ham Magazines
by Bill ROWLETT <kc4atu@yahoo.com>
- 12) [136357] 2002 stats, de N4UY
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 13) [136358] KITS: Rockmite documentation
by "Dave Benson" <nn1g@earthlink.net>
- 14) [136359] W4BW - SK
by n5ib@juno.com
- 15) [136360] Help with HB wire vertical
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 16) [136361] Re: Worked Japan Was: Working Japan
by Alex <kr1st@amsat.org>
- 17) [136362] Re: Worked Japan Was: Working Japan
by Alex <kr1st@amsat.org>
- 18) [136363] Re: W4BW - SK
by George Franklin <w0av@juno.com>
- 19) [136364] 73 Magazine

- by Rick McKee <kc8aon@juno.com>
- 20) [136365] RE: W4BW - SK
by Karl Kanalz <kkanalz@gceecisp.com>
- 21) [136366] Re: Alesis DSP design
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 22) [136367] Txpedition from 12000 feet on Saturday
by Gary Slagel <gdslagel@yahoo.com>
- 23) [136368] TO qUESTION OR Answer
by hamjoel@juno.com
- 24) [136369] Re: Rockmite documentation
by Dave Sjolín <sjolin@swbell.net>
- 25) [136370] New Bacon Bits
by "Brian" <brian@iquest.net>
- 26) [136371] Re: probagation???? Question
by Chris Howard <chris@yipyp.com>
- 27) [136372] RE: CyBiko - ham applications
by Jim Gelbort <jamesgelbort@worldnet.att.net>
- 28) [136373] Re: 73 Magazine
by "nr5a" <nr5a@hills.net>
- 29) [136374] Re: Let's do the time warp again...
by "bob baxter" <rbaxter@cybertrails.com>
- 30) [136375]
by Rob Matherly <w0jrm@arrl.net>
- 31) [136376] Re: DSP for QRP
by "Peter A. Bonucci" <pbonucci@slonet.org>
- 32) [136377] Re: Overtone Osc.
by George Gingell <k3tks@u1.abs.net>
- 33) [136378] NC-20 rig found = tks all
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 34) [136379] Re: "Looking It Up"
by Bruce Muscolino <w6toy@erols.com>
- 35) [136380] Re: "Looking It Up"
by Bruce Muscolino <w6toy@erols.com>
- 36) [136381] Re: W4BW - SK
by Bruce Muscolino <w6toy@erols.com>
- 37) [136382] Re: Help with HB wire vertical
by Bruce Muscolino <w6toy@erols.com>
- 38) [136383] Re: Worked Japan Was: Working Japan
by Bruce Muscolino <w6toy@erols.com>
- 39) [136384] FS: 9MHz Matched Crystal Sets
by "Dave Fifield" <dave@redhotradio.com>
- 40) [136385] Re: Asking questions
by "cytanet" <mooney@cytanet.com.cy>
- 41) [136386] Re: KITS: Rockmite documentation
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 42) [136387] Rockmite 20: inductor parrallel with D1/D2
by "Terres Family" <terresfm@ncia.net>
- 43) [136388] Re:

by "Pastor-KC1DI" <elbc@gwi.net>
44) [136389] Re: DSP for QRP
by "aberkuta" <aberkuta@shoal.net.au>
45) [136390] Part seach
by <wa4chq@qsl.net>
46) [136391] Re: RE-LISTED MESSAGES
by "Dennis Ponsness" <wb0wao@hotmail.com>
47) [136392] RE: Rockmite 20: inductor parrallel with D1/D2
by "Terres Family" <terresfm@ncia.net>
48) [136393] Re: Part seach
by wb0wao@hotmail.com (Dennis Ponsness)
49) [136394] RE: 73 Magazine
by Karl Kanalz <kkanalz@gceecisp.com>
50) [136395] re: 2n3204
by wa4chq@qsl.net
51) [136396] Re: Part seach
by Dave Fouchey <dafouchey@comcast.net>
52) [136397] Re: [fpqrp] New Bacon Bits
by "Jay Henson" <aj4ay@worldnet.att.net>
53) [136398] Icom's new IC-703 QRP rig
by VA3TO <hduff@rogers.com>
54) [136399] Re: QRP Crystals Now Available!!!
by "Brian" <brian@iquest.net>
55) [136400] Re: QRP Crystals Now Available!!!
by W2AGN <w2agn@w2agn.net>
56) [136401] OT: Need Linux Help
by Rob Matherly <w0jrm@arrl.net>
57) [136402] Re: DSP for QRP
by "Leon Heller" <leon_heller@hotmail.com>
58) [136403] Re: "Looking It Up"
by psykey@okcforum.org (Jim Glover)
59) [136404] CyBiko and ham radio
by <stanw@toxosor.com>
60) [136405] Re: "Looking It Up"
by "Jess Gypin" <jessmx5@earthlink.net>
61) [136406] 38 Special QSO with Prose Walker, W4BW
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
62) [136407] RE: "Looking It Up"
by Nick Kennedy <nkennedy@tcainternet.com>
63) [136408] Re: Need Linux Help
by "Paul Mills" <quahog@localnet.com>
64) [136409] handicapped ham needs help in Tampa FL area this winter
by Ron Keener <rkeener@realtime.net>
65) [136410] Re: Wire and ferrite baluns
by "Karl F. Larsen" <k5di@zianet.com>
66) [136411] RE: Need Linux Help
by "Dave Richards" <wr3i@earthlink.net>
67) [136412] Re: "Looking It Up"

- by "Richard Brummer, K2JQ" <k2jq@rcn.com>
- 68) [136413] re: disregard
by wa4chq@qsl.net
- 69) [136414] RE: Wire and ferrite baluns
by "Dave Richards" <wr3i@earthlink.net>
- 70) [136415] DDS spurs
by "Matthew Balmer" <matthew@thebalmers.freemove.co.uk>
- 71) [136416] Re: "Looking It Up"
by Bruce Muscolino <w6toy@erols.com>
- 72) [136417] Introducing Newcomers, was "Looking It Up"
by Bruce Muscolino <w6toy@erols.com>
- 73) [136418] Apologetics
by "Dave Richards" <wr3i@earthlink.net>
- 74) [136419] Re: Wire and ferrite baluns
by Hugo <hugo@optonline.net>
- 75) [136420] Re: Apologetics
by Bruce Muscolino <w6toy@erols.com>
- 76) [136421] Re: QRP Crystals Now Available!!!
by "Dave Fifield" <dave@redhotradio.com>
- 77) [136422] Re: DDS spurs
by "Leon Heller" <leon_heller@hotmail.com>
- 78) [136423] Re: "Looking It Up"
by "Lee Mairs" <lmairs@cox.net>
- 79) [136424] Question
by "Dave Richards" <wr3i@earthlink.net>
- 80) [136425] Rockmite VX0 Mod update
by NB6M@aol.com
- 81) [136426] RE: Bandwidth of crystal ladder filters CW and SSB
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>
- 82) [136427] RE: Txpedition from 12000 feet on Saturday
by "David Bixler" <qrp@netins.net>
- 83) [136428] NorCal Crystals, a correction and an addition
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 84) [136429] RE: Wire and ferrite baluns
by "Karl F. Larsen" <k5di@zianet.com>
- 85) [136430] Re: Need Linux Help
by Rob Matherly <w0jrm@arrl.net>
- 86) [136431] QRPacificon Friday Night No Host Banquet Details
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 87) [136432] RE: Bandwidth of crystal ladder filters CW and SSB
by Nick Kennedy <nkennedy@tcainternet.com>
- 88) [136433] Re: Wire and ferrite baluns
by "Karl F. Larsen" <k5di@zianet.com>
- 89) [136434] Re: "Looking It Up"
by "John A. Evans - N0HJ" <jae@codenet.net>
- 90) [136435] Re: OT: Need Linux Help
by "Karl F. Larsen" <k5di@zianet.com>
- 91) [136436] More FS

- by "Rod N0RC" <rod@n0rc.us>
- 92) [136437] HamFest & Argonaut V
by Ken Kirkley <no4d@charter.net>
- 93) [136438] Re: "Looking It Up"
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 94) [136439] RE: HamFest & Argonaut V
by "Dave Richards" <wr3i@earthlink.net>
- 95) [136440] Re: balun test
by "Karl F. Larsen" <k5di@zianet.com>
- 96) [136441] MC1350 input Z
by Nick Kennedy <nkennedy@tcainternet.com>
- 97) [136442] Re: Crystal Filter Matching
by "James R. Duffey" <jamesd1@flash.net>
- 98) [136443] How to tune TS-520
by Duane Alles <w9zm@yahoo.com>
- 99) [136444] Re: DDS spurs
by W2EB <w2eb@twcny.rr.com>
- 100) [136445] Re: How to tune TS-520
by "Richard Brummer, K2JQ" <k2jq@rcn.com>

Date: Fri, 27 Sep 2002 19:24:09 EDT
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [136346] probagation???? Question
Message-ID: <11d.17bc1981.2ac64299@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
A question
Is probagation really better in the winter or does it just seem that way?
Anyone have reliable source of info in this?
Thanks
Bob
AF2Qrp <tm>

Date: Fri, 27 Sep 2002 18:43:01 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "nr5a" <nr5a@hills.net>, <qrp-l@lehigh.edu>
Subject: [136347] Ham Magazines
Message-ID: <002301c2667f\$9df69d60\$4e100a0a@rohredt2000>

Jerry,

You cannot get QST nor many others on the Newsstands anywhere. Specialty magazines are dealing from ham stores, or direct mail subscriptions since they can easily peruse an FCC database of hams.

"73" has more technical content than World Radio, but at a lower level than found in QST. It actually has more QRP related pieces than QST until their recent concentration on what they have now found is a growth area of radio. Some of the pieces in 73 are useful, some basic, and some from a different angle than what you find in other ham magazines which is in itself useful if it gets you to think. I read it for the QRP column, the AMSAT column, as well as the general pieces. Sometimes the Wayne Green editorial is entertaining, and always certainly a source of names of books and ideas you will not hear most anywhere else but the Art Bell overnight shows. (Sometimes Art has Wayne on, and it is always interesting). Many homebrew antenna pieces turn up in 73, as well as useful accessories. It is always more technical than CQ, but they are more operating oriented, with a few specialty columns on things like key collecting. I like to stay on top of things, so take all the ham magazines. It was enjoyable to read about one of our own in 73 this month.

72,

Stuart K5KVH

Date: Fri, 27 Sep 2002 19:41:37 -0400
From: Donn Kuse <casey.jay@gte.net>
To: psykey@okcforum.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136348] Re: "Looking It Up"
Message-ID: <3D94ECB0.EB961651@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You made some very good points, Jim. I, for one, can read and reread on items and still don't understand them. So I ask. I have the ARRL's 2002 edition of their Handbook. To me, most of the items in it are so far above my head (just like the one I had in 1975!) that I have to ask when I come upon something I don't understand.

There's a lot of experienced hams on the reflector. With different opinions and answers from various hams, sometimes I can begin to understand. Some can explain a situation better than others. I gather a lot from those who experienced the same problems and overcame them. I've been trying to find out about PSK31. Even reading all I can find on the PSK 31 web site, I still don't understand what I read. From all I've read so far, I still don't know how to hook up the transciever to the

computer. Then again, I don't know much about computers either!
Can't tell a serial port from a parallel port. These new USB connections,
puzzle me as my computer has no such connection. Yes, there are adapters,
but I have no idea where to connect it to a CPU.

Well, maybe being 67 and no background whatsoever in electronics, except
enough to pass the FCC exams back in 1976, I'm still trying to learn and
with the help of all of you out there, it does make it a little more
understanding. Thanks to all who have contributed.

The past thread on QSO's and equipment I found very educational. Types of
rigs and antennas have helped me understand I'm not so bad off with my
"restricted" antenna situation. I guess I really miss my 60' + apex
Inverted V that I had before moving to Florida. Maybe I'll get a chance
to have something different again, as we hope to move out of Florida in a
year or two. BTW, the XYL got her ham ticket a year after I did. Right
now we're both trying to relearn code since we've been away from it for
over 24 years!

Tnx for listening,

72/73 Donn, WB4ZWT

67 and still trying to learn!

Jim Glover wrote:

.....

> There's certainly nothing inherently wrong with the suggestion that
> someone might benefit from looking something up. Of course, such
> advice isn't especially useful unless it's accompanied by a suggestion
> about where to look it up. Is there anything inherently wrong with
> asking a question here on
> QRP-L which could have been answered by referring to some textbook?
> Absolutely not! I can think of dozens of legitimate reasons for
> asking such questions here. Here are just a few off the top of my
> head:

>

> --Not everyone absorbs information well from textbooks. Some of us
> simply understand things better if we get to interact with whomever
> we're learning from.

>

> --Not everyone enjoys learning from textbooks. There are hams who
> enjoy learning about radio and electronics through interacting with
> other hams, who'd never have entered the hobby if they thought they'd
> have to learn it all in books. ...and there's nothing wrong with
> that. Amateur radio is, at least in part, a hobby.

>

> --Someone might have some idea how things work, but want to bounce
> the idea around a little with others more knowledgeable to make sure.

>

> --Reference books may not be handy. "...go to the library," Bruce
> advised... but not everyone has a good library handy. For others,

> the library may be handy enough, but their schedule may make it a
> bit difficult to find time for the trip.
>
> --The time when computers are a better source of information than
> books isn't quite here yet (at least not in the radio/electronics
> arena) but the time is coming. If some people want to jump the
> gun a bit and seek answers to their questions through electronic
> media first, before they hit the books, there's nothing wrong with
> that.
>
> --For some people, including many with disabilities or impairments
> of various sorts, it's simply much easier to use the computer than
> to seek references at a library.
>
> Am I saying that everyone should quit reading books and try to do
> all their radio/electronics learning online? No, I am not. It's
> a *fact* that the best information about radio/electronics is in
> books. On the other hand, it's also a fact that the amount of
> radio/electronics information online is growing by leaps and bounds.
> "That information is easier to find in books" can be good advice,
> when it applies, but there's no good reason to be impatient with
> those who nevertheless choose to favor online sources. If you do
> not wish to be bothered by questions that could have been answered
> through library research, then by all means, do not answer them!
> Like I heard someone quip recently: Hey, ya know what?...my
> computer is one of the ones that have that "DELETE" key right there
> on the keyboard...it's really handy!
>
> 73,
> Jim WB5UDE

Date: Fri, 27 Sep 2002 19:43:25 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrpl" <qrpl@lehigh.edu>
Cc: "njqrp" <njqrp@njqrp.org>
Subject: [136349] Need a room for QRPacificon
Message-ID: <002801c2667f\$ad1f8900\$1a2f67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I need a room for QRPacificon.

I had a couple of leads to share a room but they fell through.
And at this late date there are no more rooms to be had.

Sooo anyone need a partner to share costs? I will be arriving
on Friday the 18th and leaving on Sunday the 20th.

72/73,

Joe E., N2CX

Date: Fri, 27 Sep 2002 19:30:09 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [136350] New antenna workd
Message-ID: <003e01c2667d\$d5f5dc00\$28998b41@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Well folks I just today completed my portable antenna which will be used on
the balcony of my next cruise and a trip to CA in late November. It is truly
portable as it breaks down into fairly small sections.

It consists of two Hustler 20 meter resonators each attached to two short
mast sections in a horizontal dipole configuration.

After the final assembly today on my back porch I was able to have three
contacts on SSB and about 8 watts out. First contact was to West Hampton
Long Island NY.

The other two were in VA and SC. I think this one will work out great on the
ship. I will let you all know after the cruise is over.

John K2JHU...
jdorson@workdshare.net
Melbourne Beach, FL

Date: Fri, 27 Sep 2002 18:54:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <kr1st@amsat.org>, <qrp-l@lehigh.edu>
Subject: [136351] Antenna interaction
Message-ID: <002b01c26681\$363f07f0\$4e100a0a@rohredt2000>

Alex, although you have two of the good antenna books, I know this is not covered in either one, (I have those also).

There will be some interaction any time you have another antenna within a quarter wave or less of another, but it may not be enough to worry about as long as you keep them at right angles which is the minimum of interaction.

In fact, in use of the inverted Vee, the sloping end fed wire may act as a reflector, giving you some gain and directionality to the Vee. On the other hand, the radiation of the end fed half wave, will probably have an unbalanced lobe in the direction of the inverted vee or the other end. You will have to try it and see. Easy enough if you set them up on pulleys where you can lower one while trying the other, then raise them both and see what effect it has on transmitting to a known direction. Receiving interaction may not be noticed.

It would be great if you keep some notes and experiment with this and report back on this new work that is often overlooked by conventional antenna texts.

72,
Stuart K5KVH

Date: Fri, 27 Sep 2002 17:58:04 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136352] QRP Afield (N0TU, NK0E, N0MHQ) pics
Message-ID: <002801c26681\$b83d3ab0\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I just posted all the pics from our QRP Afield adventure. Some good pics,

some not-so-good pics, no captions. Have a look if you're bored...

<http://home.earthlink.net/~nk0e>

73 de Dave NK0E

Date: Fri, 27 Sep 2002 16:56:43 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [136353] Rock Mite to Croatia
Message-ID: <20020927235643.66197.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Never thought I'd be SO happy to work
Croatia. 400 mw 4300 miles. OK Rock Mite
20. Jim w1pid@arrl.net

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
<http://sbc.yahoo.com>

Date: Fri, 27 Sep 2002 20:08:52 -0400
From: Harry Hurst <wa3ptg@comcast.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [136354] OP - Who's on 7122 Khz. in the eastern US?
Message-ID: <000001c26683\$3b36ef00\$0500a8c0@matthew>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Who's on 7122 KHz? Might be fun to have a "7122 day" or "7122 night", like the VHF nights that are held in some areas. A lot of the common QRP kit rigs aren't tuned for that segment -- yes, I know they COULD be -- but a lot aren't. A gathering on the novice band could give some of us an excuse to convert a Rock Mite, Pixie II, or whatever to the novice band and have a little fun.

Let's keep my troll off the list, reply direct, and I'll post a summary.

Thanks and 72
Hap, WA3PTG
Wilmington DE

Date: Fri, 27 Sep 2002 19:24:18 -0500
From: "res075cz" <res075cz@gte.net>
To: <ekdave@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136355] Re: QRP Afield (N0TU, NK0E, N0MHQ) pics
Message-ID: <010f01c26685\$62b35a80\$82880304@dslverizon.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow! What a beautiful view. Great pix...

73 de Jim, K5ROV...

James (Jim) Parsons, K5ROV, CMSgt (E-9), USAF, Ret., San Angelo, TX
Ham for over 60 yrs. 90% CW
k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

----- Original Message -----
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, September 27, 2002 18:58 PM
Subject: QRP Afield (N0TU, NK0E, N0MHQ) pics

> Gang,
>
> I just posted all the pics from our QRP Afield adventure. Some good pics,
> some not-so-good pics, no captions. Have a look if you're bored...
>
> <http://home.earthlink.net/~nk0e>

>
> 73 de Dave NK0E
>
>

Date: Fri, 27 Sep 2002 17:33:07 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: rohre@arlut.utexas.edu,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136356] Re: Ham Magazines
Message-ID: <20020928003307.56801.qmail@web14202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Don't now where you live Stuart, but here in the
Washington D.C. area the large chain book stores carry
QST, CQ, 73 and the scanner/swl mags. Mileage varies
with the different stores.

73, Bill kc4atu

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
<http://sbc.yahoo.com>

Date: Fri, 27 Sep 2002 20:39:55 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136357] 2002 stats, de N4UY
Message-ID: <GCECIJFJPOHMCKACOA0BKEAHDPA0.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

After reading some of the posts to Doug's query, I figured I'd update my log
and see what I had.

625 QSOs from 1/1/02 to 9/25/02. All CW and QRP (or less) except for the 21
SSB QRO QSOs my 8-yr old daughter racked up. She likes working the NA QSO
Party and can't yell as loud as I can :-)

What surprised me was that I had 210 QRPP QSOs -- 170 on my 800 milliwatt Tuna Tin see <http://mywebpage.netscape.com/jakeycarter/TTamp.html> . I worked 30 states so far in 2002 on that rig. I had a couple QSOs on my 300 mw 20m G-QRP "VU transmitter" -- MO and WA (not bad from VA using a 40m wire dipole). Had 38 mw QSOs on my K-1 (my contest rig). Did a little homebrew DXing with my 2 watt "Ugly Weekender" -- a couple contest QSOs to France.

On 56 of my TT QSOs I used my homebrew Neophyte see <http://mywebpage.netscape.com/jakeycarter/neophyte.html>. I used my partially completed 2N2-40 with the TT a couple times (the 2N2-40 receiver is a lot easier to use than the Neophyte -- maybe I should finish that project, or at least put the receiver in a case). Teamed up the Ugly Weekender xmtr with the Neophyte a couple times but felt pretty high powered at 2 watts :-)

I'm working on a 20m Tuna Tin -- output will be a little less than a watt. Maybe I can work the rest of those states if I put up a decent outdoor dipole. Wonder what I'll use as a receiver :-)

73,

Jake -- N4UY

Date: Fri, 27 Sep 2002 20:34:40 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [136358] KITS: Rockmite documentation
Message-ID: <000101c2669f\$fb892ea0\$c94f3b41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

RM-ers-

While I've been busily waiting for more Rockmite boards to arrive, I whomped up some supplemental material for the Rock-mite.

It's primarily intended for the newer builder, with construction basics and hookup information. This is the material that 'fell out' of my typical printed instructions in my quest for rock-bottom shipping costs. It also contains a fair amount of troubleshooting information. [In case you're wondering, that's a nice way of saying I think offering repair service on a \$25 project is a tall order.]

It's an initial release- available as a (102 kB) .pdf document at:

<http://smallwonderlabs.com/RMhelps.pdf>

73- Dave Benson, K1SWL

Date: Fri, 27 Sep 2002 20:47:40 EDT
From: n5ib@juno.com
To: qrp-l@lehigh.edu
Subject: [136359] W4BW - SK
Message-ID: <20020927.194443.4559.3.n5ib@juno.com>

Just saw the note on the ARRL web site that A. Prose Walker became a Silent Key this past August. The news of his passing had only recently reached the staff at Newington. Some of you may have his signature on an old license, as he was "The Man" at FCC in the 50's and again in the 70's.

It reminded me of a 15 m CQ I answered on 1 April of 2000. A nice CW QSO ensued with Prose, W4BW, wherein I learned he was 90 years young and had been a ham for 75 of them. Having just returned to the air after an 18 year layoff, I was enthralled at the thought of what Prose had experienced in radio.

Prose, as ARRL commented, is remembered as the "father of the WARC bands" and his QSL card notes that he made the initial proposal in Geneva for the 10, 18, and 24 MHz bands.

At 90, after 75 years in ham radio, Prose had a great fist. He was running about 18 wpm with me and copied the 1.5 watts from my Green Mountain 15 just fine. Prose commented on his card that my GM-15 was a "great rig" (thanks Dave) His antenna was a windom design taken from a 1929 QST article.

That was a very special QSO - I have here before me a very special QSL card - and I have some rare and special memories to keep.

Get on the air gentlemen and ladies - you never know who that next QSO might be.

Prose, I only met you once, and that through the "music" of Morse - but you will be missed.

73

Jim N5IB

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Date: Fri, 27 Sep 2002 20:13:22 -0500

From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>

To: "qrp-l reflector" <qrp-l@lehigh.edu>

Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>

Subject: [136360] Help with HB wire vertical

Message-ID: <412002962811322771@earthlink.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Gang:

Am planning on building a simple wire vertical with three counterpoise wires, a ground plane. There was an article about it in the June 1999 QST on pages 56-57. It seems simple enough, but I am interested in the best ways to "weather-proof" such an antenna. Specifically, how can I best secure the window line so that it can withstand the flexing and whipping around in our harsh ND winds?

The 450-ohm window line I have is the stranded type. Can someone point me to the best methods of making the antenna pretty tough? Thanks in advance.

73,

--Doc/K0EVZ

All incoming and outgoing e-mail scanned by Norton Anti Virus software.

Date: Fri, 27 Sep 2002 21:29:05 -0400

From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136361] Re: Worked Japan Was: Working Japan
Message-ID: <3D9505E1.57FEF169@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Almost a year ago now:

On Fri, 9 Nov 2001, Alex wrote:

>
> Hi there,
>
> With the Japan DX contest coming up, I thought that this may be
> my best chance to work Japan. I've only been on HF for a couple of
> months now so I have no experience and don't even know if my 5 Watts would
> even make it there. Can anyone tell me what would be the best time of the
> day and band to work Japan from the East Coast?

In my old apartment I could never work them and set it as a goal.
Working JA that is. Now that I recently moved and have put a 50ft
sloping random wire in the tree in the backyard I not only heard them, I
finally worked them! Perhaps not a biggie to most of you, but to me as a
relative newbie to HF, it is. Just worked my first JA on 10 meters 5
Watt SSB and the second one on 15 meters PSK31, also 5 Watts.

Now I need a new goal. Somebody said something about knitting on here
before... :)

73,
--Alex (KR1ST)

Date: Fri, 27 Sep 2002 21:39:14 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136362] Re: Worked Japan Was: Working Japan
Message-ID: <3D950842.E3D233B@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex wrote:

> Just worked my first JA on 10 meters 5
> Watt SSB

Not that it really matters, but the random wire does not load up well on 10 meters (not even with 10m counterpoise). SWR is 1:2.5

73,
--Alex (KR1ST)

Date: Fri, 27 Sep 2002 20:41:05 -0500
From: George Franklin <w0av@juno.com>
To: n5ib@juno.com
Cc: qrp-l@lehigh.edu
Subject: [136363] Re: W4BW - SK
Message-ID: <20020927.204156.-1096525.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

So sorry to hear about the passing of Prose Walker, W4BW.

He was indeed a fine gentlemen, outstanding CW op and super supporter of ham radio while he was at FCC.

I had the pleasure of spending a very pleasant evening with Prose and Lee, W0AR, at the Dayton Hamfest some 25 years ago.

Prose is gone but will not be forgotten.

RIP, Prose.

72 de George/W0AV
Hamming since 1935

Date: Fri, 27 Sep 2002 21:43:02 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [136364] 73 Magazine
Message-ID: <20020927.214658.8934.1.kc8aon@juno.com>

Someone on the list was wondering if 73 still existed, so I figured I'd forward the info they emailed me.

72/73 DE: [K] [C] [8] [A] [0] [N]

Rick McKee
Willow Wood, Ohio
QRP ! Power is for punks !
QRP-L #2112, FPqrp #33, AR QRP #269

You can use your credit card to get a subscription by calling
1-800-274-7373;
checks should be mailed to:

73 Amateur Radio Today
70 Hancock Road - Suite C
Peterborough, NH 03458

Still only \$24.97 for 12 issues.

If you ever get the urge to write an article do give it a try -- and
submit
to 73 for consideration of publication. Readers are asking for more about
QRP.

Best regards,

Joyce Sawtelle
Managing Editor and Reader Service
73 Amateur Radio Today

----- End forwarded message -----

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Date: Fri, 27 Sep 2002 21:06:01 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'w0av@juno.com'" <w0av@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136365] RE: W4BW - SK
Message-ID: <01C2666A.262C5000@KKANALZ>

Indeed, George, that is shocking and surprising news!

During my career at Collins Radio, as the manager of Amateur Radio Products, I met
and knew Prose Walker very well.

He will be sadly missed among the ham community - he was indeed a fine CW operator!

By the way, his name was always signed " A. Prose Walker"

How many of you out there know what the "A" stood for? (Hint: I do!)

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: George Franklin [SMTP:w0av@juno.com]
Sent: Friday, September 27, 2002 8:41 PM
To: Low Power Amateur Radio Discussion
Subject: Re: W4BW - SK

Hi Gang,

So sorry to hear about the passing of Prose Walker, W4BW.

He was indeed a fine gentlemen, outstanding CW op and super supporter of ham radio while he was at FCC.

I had the pleasure of spending a very pleasant evening with Prose and Lee, W0AR, at the Dayton Hamfest some 25 years ago.

Prose is gone but will not be forgotten.

RIP, Prose.

72 de George/W0AV
Hamming since 1935

Date: Sat, 28 Sep 2002 23:55:58 +1000
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136366] Re: Alesis DSP design
Message-ID: <014f01c266f6\$d28f7480\$5ddefea9@mainpc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

> What you describe sounds perfect for a single-channel application like a
> bandpass filter, but using it in a phasing receiver or other I/Q
> demodulation application would require 2 ADC channels, and an I/Q
modulator
> would require 2 DAC channels. For your first board this may not be a
> concern, but I know it's of interest to a lot of people.

The Alesis A/D and D/A are both two channel...

..... Zim

Date: Fri, 27 Sep 2002 19:21:19 -0700 (PDT)
From: Gary Slagel <gds slagel@yahoo.com>
To: QRP L <qrp-l@lehigh.edu>
Cc: Keith Doughty <kdoughty@gwtc.net>
Subject: [136367] Txpedition from 12000 feet on Saturday
Message-ID: <20020928022119.60483.qmail@web11608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi guys!

Planning to hike up to Shelf Lake, CO tomorrow and
operate on 20 meters for an hour or so. Hope to be on
somewhere around 12 to 1 MDT. I'll be close to 14.060
mhz. I'll be with a non-ham buddy so I'll probably
keep the operating time fairly short.

I've never been to Shelf Lake but the topo map says
its a little lake (more like a pond) at 12000 feet
elevation. It sits in a bowl, almost totally
surrounded by 13000 foot ridges. Hopefully about a 2
hour hike in.

I'll have my k1 with a little self supporting 20 meter
vertical. Usually works pretty good but sitting down
in that bowl I'm guessing it'll be a pretty small qrp
sig :-)!

I appreciate anyone with the time to listen for that
little N0SXX cq coming out of the mountains. I'll
probably send out a picture qsl with the location.

73,
Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://gdslagel.bravepages.com>

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
<http://sbc.yahoo.com>

Date: Sat, 28 Sep 2002 02:36:38 GMT
From: hamjoel@juno.com
To: qrp-1@lehigh.edu, fpqrp-1@mpna.com
Subject: [136368] TO qUESTION OR Answer
Message-ID: <20020927.193732.21828.108957@webmail1.wlv.unttd.com>

High y all

To ask or answer a question.... what a delima...

U kneaux a long time ago, I thought I knew a lot, only to find out ah didn t kneaux much at all...

Then I thought I didn t kneaux nuttin and found I kneaux as much as the dummetst and lots less than the smartest...

Being in an out of ham radio, I also found myself a has been when it comes to what s knew , and what s not even so knew....

So I ask questions now and then...sometimes ah gets an answer, sometimes ah gets bull, and sometime ah gets geaux looks it up and a few times ah gets my faviorate.... geaux ask so and so....

Questions will always arise.... adequate or even great answers will rise less often...

Did ah really ask the question ah thought ah asked? Did u really understand my question...

U kneaux folk can talk and talk or e-mail and e-mail and still not communicate....

I really don t kneaux, maybe I ll just geaux look it up... aw shucks , in the great scheme of things, it an t that important.... guess ah ll just geaux fishin....

Kella joel
in maine
with a question...

KE1LA JOEL
IN MAINE
FREEZIN

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Date: Fri, 27 Sep 2002 23:03:29 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: nn1g@earthlink.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136369] Re: Rockmite documentation
Message-ID: <06bc01c266a4\$01b64f70\$dadb840@DaveSjolín>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks Dave, Im sure the additional documentation is much appreciated.

73 de Dave, N0IT

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, September 27, 2002 10:34 PM
Subject: KITS: Rockmite documentation

> While I've been busily waiting for more Rockmite boards to arrive, I
whomped
> up some supplemental material for the Rock-mite.
>
> It's primarily intended for the newer builder, with construction basics
and
> hookup information. This is the material that 'fell out' of my typical
> printed instructions in my quest for rock-bottom shipping costs. It also
> contains a fair amount of troubleshooting information.

Date: Fri, 27 Sep 2002 23:18:40 -0500
From: "Brian" <brian@iquest.net>
To: <QRPP-I@yahoogroups.com>, "QRP-L" <qrp-l@lehigh.edu>,
"Pigs" <fpqrp-l@mpna.com>
Subject: [136370] New Bacon Bits
Message-ID: <000901c266a6\$213bb2c0\$0b64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The October Issue of the Bacon Bits is now online.

"Bacon Bits" is the almost award winning monthly newsletter and gossip rag of the Flying Pigs QRP Club. We publish almost anything related to amateur radio, kit building, antoona tenning, accidental parts destruction, and other SOC or FP related experiences.

Ocassionally we have REAL articles from very good hams. This month we look at a QRPP Attenuator, a direct digital VFO review, new anti-virus software and real live pictures of AF4PS, Mac - The Invisible Piggie, K4FB - The contesting Piggie, and N0UR getting his first taste of southern fried corn grits.

Like my granny always said..."Boy, eats your grits, they's substanshul."

Anyway...if you want to look at it...

<http://www.fpqrp.com>

73

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Fri, 27 Sep 2002 22:25:07 -0600
From: Chris Howard <chris@yipyap.com>
To: qrp-l@lehigh.edu
Subject: [136371] Re: probagation???? Question
Message-ID: <20020927222507.52084@amos.estprk.co.charter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Fri, Sep 27, 2002 at 07:24:09PM -0400, IamSF5@aol.com wrote:

> Hi Gang,
> A question
> Is probagation really better in the winter or does it just seem that way?
> Anyone have reliable source of info in this?
> Thanks
> Bob
> AF2Qrp <tm>

It was my impression that the reason for better propagation in the winter was that the noise levels from summer solar activity goes down... longer nights, a less direct shot from the sun to the northern hemisphere, that kind of thing.
(That makes me wonder if southern hemisphere propagation works better in june-august!)

There are others on the list much more authoritative than me on the subject. I hope one of them gives us the straight dope.

--

Chris Howard
chris@yipyap.com
current Estes Park weather -- <http://www.yipyap.com/wscurrent.html>

kc0atc
Estes Park, Colorado USA

Date: Fri, 27 Sep 2002 23:27:45 -0500
From: Jim Gelbort <jamesgelbort@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [136372] RE: CyBiko - ham applications
Message-ID: <5.1.0.14.0.20020927232411.00b235f8@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

There has been a similar thread on QRZ.com.
Look under Older News for "Using the Cybiko for APRS" or follow this link:

<http://www.qrz.com/cgi-bin/ikonboard.cgi?act=ST&f=3&t=18970>

Seems like some interesting possibilities with this gear.

72,
Jim N9WW

Date: Fri, 27 Sep 2002 21:50:01 -0600
From: "nr5a" <nr5a@hills.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136373] Re: 73 Magazine
Message-ID: <001f01c266a2\$20c39960\$65bca8d0@jerry>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just did a Google search for 73 Amateur Radio Today, it gave me some links but everytime I clicked on one all I got was a porno site that would not go away unless I turned off the computer and rebooted. Never saw anything like that before, must have closed it 10 times and it kept coming back. Oh well, thats not what I'm posting about.

Does 73 Magazine have a website? I like to nose around it for abit. I hate to spend money on something I have not seen.

Jerry - NR5A

Date: Fri, 27 Sep 2002 22:00:29 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136374] Re: Let's do the time warp again...
Message-ID: <02d701c266ab\$f9a6e3a0\$b1562aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Anybody else seeing old postings flood their mailbox?
>
> 73, Rod, NØRC ...just jump to left...
>

Is it Groundhog's Day???

Bob Baxter AA7EQ
Bisbee, Az.

Date: Sat, 28 Sep 2002 00:06:42 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: qrp-1@lehigh.edu, fpqrp-1@mpna.com, soc@mailman.qth.net
Message-ID: <02092800074401.01601@localhost.localdomain>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

(forgive me if this shows up a second time)

Is there some way to repair your file system when your PC crashes, other than formatting the *&\$^ drive and starting all over again?

72/73/oo
Rob, w0jrm

=====
<http://www.qsl.net/w0jrm>
=====

Date: Fri, 27 Sep 2002 22:09:53 -0700
From: "Peter A. Bonucci" <pbonucci@slonet.org>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136376] Re: DSP for QRP
Message-ID: <3D9539A1.7050600@slonet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

VA3T0,

Unfortunately, I don't think there is a "DSP for Dummies". There is a "DSP without Tears;" it is a fairly expensive course mostly intended for managers of DSP engineers so that they at least have a clue what their people are talking about. I don't think that is what you're looking for.

If you are interested in books, Oppenheim and Schaffer's Discrete-Time Signal Processing or Proakis and Manolakis' Digital Signal Processing:

Principles, Algorithms, and Applications_ are the classics. I find Oppenheim and Schafer as dry as dust, but they have all of the basics.

I find Proakis and Manolakis' style easier to read. Another resource you may want to use is www.dspguru.com. This site contains (among other things) some of the tribal wisdom of comp.dsp, so you can consider it peer reviewed.

While a person could use cookbook-style techniques to get DSP programs to work, there are quite a lot of ways to go wrong that require a real understanding of how DSP works to fix.

If you get one of the basic DSP books and hang out at comp.dsp, the people there will be more than happy to help you. Just make sure you let them know that you are working through the book on your own. Every fall there are a number of students who post requests for others to do their homework and the reception, for them, is fairly cool.

Peter A. Bonucci

VA3TO wrote:

[snip]

>Perhaps a good 3 or 4 part "DSPs for Dummies"
>sort of "walk through" article in QST, written by
>one of you more informed DSP gurus, would be
>very well received. Any previous attempts at this
>that I've seen have delved into the nitty-gritty too
>quickly and quickly turned me off. Like zero to
>sixty in five seconds.
>
>

Date: Sat, 28 Sep 2002 01:18:03 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Tracy Markham <tracy@bytemark.com>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [136377] Re: Overtone Osc.
Message-ID: <20020928005913.Q53323-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tracy,

My first thought for an answer to your question about the 78Mhz Overtone Osc. was to go look for the old Repeater Service manual. I could not locate it, but still the thought should be good. Many of the Osc in VHF and UHF Repeater Systems use Overtone Oscillators.

Check in the QST and 73 Adverts, Ransey and others offer Repeater Components and modules. Maybe get the Schematic and borrow the Circuit.

Second thought was take a trip to the Public library. There are a couple of good books in the Reference Section or General Electronics section.

I can't think of the titles at the moment, but there are a couple that are nothing but Circuits of all types. I am pretty sure that you can find an Overtone Oscillator Schematic in the ARRL Handbook also.

Better yet, Cruise over to your favorite book seller (I use the Borders Books Store in Columbia for my Reference library). :^}

Unlike the library, they have tables food and beverages to consume while examining the reference materials. :^} NO FOOD or DINKS in the Library. :^}

The real advantage here is you are likely to find the latest version of the book and you can even purchase it if it fits your needs.

I am currently Studying Metallurgy, Jewelry Making, Metal Casting and Machine Shop Practices. I have found numerous good books and am working on my special list. It must be at least 4 Star before I buy it. :^}

I may have said something about having too many books earlier in the week, I repent, or at least I am still addicted. :^}

Gold and Silver Smithing are very interesting. I have already thought of some QRPP Applications.

I am also trying to recall which test equipment had the overtone osc modules in it. I have something down stairs with several Osc. modules in it. In fact that is the reason I kept it all of these years. The Modules were very well constructed. I think Mike C. WA8MCQ would remember it. He got the Step Attenuators out of it. I got the carcass. :^}

Can't think now.. Must QRT

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sat, 28 Sep 2002 0:52:34 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [136378] NC-20 rig found = tks all
Message-ID: <41200296285523455@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Many thanks for so many responses to my search for a NC-20. Have found a suitable one and it should find its way here next week. Looking forward to putting it on the air soon. Will have plenty of room to run and play here [g]. GL es have a good weekend.

73,
--Doc/K0EVZ

Date: Sat, 28 Sep 2002 02:06:14 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: psykey@okcforum.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136379] Re: "Looking It Up"
Message-ID: <3D9546D6.D74A5454@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Such an interesting apology!

If any of you took the time to read my original message to Leon, you will note that I first answered what he was asking. Then, and only then, did I SUGGEST he might look up imaginary parameters in a circuit analysis textbook. I cannot recommend a text, mine are all 50 years old.. I cannot recommend page reference. YOU, the reader, have to do that yourselves! Incidentally, for those who might be interested, my original post can be found in the archives! You should all own a copy of the Radio Amateur's Handbook or, at least, know where to borrow one!

Reading up about an question before you ask it cuts down on the number if irrelevant answers you receive. It is of little use to learn about earth grounds if you want to know about antenna grounds! The information may be completely correct, but it will be of little use to you!

73

Date: Sat, 28 Sep 2002 02:18:17 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: casey.jay@gte.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136380] Re: "Looking It Up"
Message-ID: <3D9549A9.2C32EFA0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It is no secret that everyone learns his own way. I am no different than you except I had to learn for my profession. I have also read and reread chapters until I was teerninalllly puzzled. I leaarned teh way I LEARN. You have to do trhe same thing. Find out what things make an

impressoin on you. ysse tehm to learn.

The same applies to code. I learned how to learn the code when I was about 13 years old. I used tables of dots and fashes, I used records (we didn't have tapes back then), I finally foudn teh Koch method and was using code in about 4 weeks! I had discovered how I learned teh code! I did much teh same thing when I learned teh theory in college. I had my license then, but college put teh icing on teh cake!

Hon't give up on learning. I am 62. I still leaern things. It delends on your atitude and your having learned how you learn!

73

Date: Sat, 28 Sep 2002 02:20:48 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: n5ib@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136381] Re: W4BW - SK
Message-ID: <3D954A40.94CA3948@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was fortunate enough to have him sign my original licenses! A great loss to ham radio!

73

Date: Sat, 28 Sep 2002 02:24:30 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: dock0evz@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136382] Re: Help with HB wire vertical
Message-ID: <3D954B1E.4E54CEBC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It would seem the first thing you would want to do is to put a strain relief on the wire. You might try clamping it between two small pieces of Plexiglas where it attaches to the antenna. You should do the same thing over the entire feedline run. Use TV standoffs or the like.

83

Date: Sat, 28 Sep 2002 02:27:08 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: kr1st@amsat.org, qrp-l@lehigh.edu
Subject: [136383] Re: Worked Japan Was: Working Japan
Message-ID: <3D954BBC.7C03C71C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That's strange, mine loads very well. Of course it is 150 feet long.
Ground is through an MFJ Artificial Ground!

73

Date: Fri, 27 Sep 2002 23:31:20 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136384] FS: 9MHz Matched Crystal Sets
Message-ID: <003701c266b8\$a8935a40\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am pleased to announce that I have for sale
matched crystal sets of 9MHz crystals. A set
of 7 crystals (4 + 1 needed for a good IF plus
1 for the TX upconverter and 1 for the RX
product detector) for \$5, shipped. The crystals
will be matched to within 25Hz of each other
(better in most cases), enabling you to use them
to make a nice 250Hz bandwidth IF filter with
the RX and TX carrier insertion oscillators to
match.

These are the same high-quality crystals as used
in the NorCal 20 and Red Hot 20/40 rigs. They
are ideal for homebrew QRP/QRO superheterodyne
rigs for bands from 80m to 20m, using simple
VFO's.

If you'd like a set, please send a check or money order payable to "Red Hot Radio" for \$5 to:

Red Hot Radio (9MHz Set)
14730 Charmeran Avenue
San Jose
CA 95124

To forestall comments/criticism, I can tell you up front that I will be making no profit at all on these crystals. The idea is to promote homebrewing.

72, Dave, AD6A

Date: Sat, 28 Sep 2002 10:34:02 +0100
From: "cytanet" <mooney@cytanet.com.cy>
To: <leon_heller@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136385] Re: Asking questions
Message-ID: <008d01c266d2\$47d98c00\$74870ec3@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Leon Heller" <leon_heller@hotmail.com>

>
> >From: Mark Fields <mark_ke5my@juno.com>
> > I remember a lab instructor (college chemistry)
> >saying "It's better to ask a dumb question than to
> >make a dumb mistake."
>
> Then there's the other one I see quite often: "There are no stupid
> questions, just stupid answers".
>
> 73, Leon

Then there's the Despair, Inc. poster which says

"Cluelessness: There are no dumb questions, but there are a lot of inquisitive idiots."

(including myself)

<GRIN>

8-)> (Just to be on the safe side)

Paul M.

Date: Sat, 28 Sep 2002 07:41:22 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: nn1g@earthlink.net, qrp-1@lehigh.edu
Subject: [136386] Re: KITS: Rockmite documentation
Message-ID: <F1322EGeC7q0eniTS3w0000504d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dave,

Great job on the additional instructions. I printed it out and will put it in my binder that I have the RM20 and RM40 instructions. As an additional and personal note.... To all of you that have not had the pleasure of building one of Dave's other kits, this is the kind of documentation that you get. Easy to read and very informative. My first "real" kit was one of Dave's SW-40+ rigs and I was able to get it up and running with very little problem - OK, I did mess up on the final tuning and had to send Dave an email, which he answered within a couple of hours in which he told me what I needed to do. Once I did that, it worked FB and is one of my main rigs to this day.

Standard disclaimer... no financial interest, yadda yadda yadds, just a _VERY_ satisfied customer...

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 28 Sep 2002 04:44:39 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-1@lehigh.edu>
Subject: [136387] Rockmite 20: inductor parrallel with D1/D2
Message-ID: <000001c266cb\$4861d300\$d982f3ce@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Has anyone tried the 10uH mod to decrease SWBC interference? Does it matter if it's a Rockmite 20 or a 40? i.e. does a 40 meter get 10uH, and a 20 meter get 4.7uH? It sounds like too much inductance in the same spot will have the opposite effect.

Thanks,
jerry aa1of

What I have seen so far on the list:

Thanks for the suggestion. I'd recommended adding inductance in parallel with D1/D2- 10 uH looks like a good value, but I haven't had a chance to check for interaction with the passband characteristics. In the discussions I had with someone else on the topic, it eliminated AM BC pickup completely.

An inductance (22 uH) across D1/D2 will broaden out the filter response to VX0-width. [It has some detrimental effect on filter ultimate rejection, i,e, may let more SWBC energy get to the mixer.]

Date: Sat, 28 Sep 2002 05:24:14 -0400 (Eastern Daylight Time)
From: "Pastor-KC1DI" <elbc@gwi.net>
To: <w0jrm@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136388] Re:
Message-ID: <3D95753E.000001.97739@elbc>
MIME-Version: 1.0

Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: w0jrm@arrl.net
Date: Saturday, September 28, 2002 01:11:47
To: Low Power Amateur Radio Discussion

(forgive me if this shows up a second time)

Is there some way to repair your file system when your PC crashes, other than formatting the *&\$^ drive and starting all over again?

72/73/oo
Rob, w0jrm

Hi Rob,
What Operating system are you using? If it Is M.S. Then you should go to Programs, Accessories, System Tools, then click on System information. When the screen comes up look for the tab at the top that says tools, click on that the click on the choice called system file checker. This tool will check all the system files and tell you which ones need to be replaced. You ll of course need your M.S. Operating system Disc/discs. Good luck,
73, Dave Kc1di

Date: Sat, 28 Sep 2002 19:31:05 +1000
From: "aberkuta" <aberkuta@shoal.net.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136389] Re: DSP for QRP
Message-ID: <000701c266d2\$00c6f780\$8e8dddcdb@aberkuta>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all

As a lucky user of one of Zim's DSP units, I cannot understand why others have not taken the opportunity of acquiring a sample. Other than adding the external

pulgs and wiring, Zim had completed all the fiddly surface mount component mounting, sure it is not home brewing BUT what fantastic performance in being able to pull weak qrp cw signals out of the murk on a stormy night on 80m.

Mine is in use constantly for local and Dx work and a fair percentage would not have been able to be completed without the use of the DSP, the filter I like best is Zim's 86hz sample, razor sharp and absolutely beautiful. There is provision for more than 2 programmed filter chips.

Zim, please include me in Mk3 if one becomes available, touch more audio gain and AGC? or is this asking for too much.

regards

Alex
VK2KET

Date: Sat, 28 Sep 2002 06:33:33 -0400 (EDT)
From: <wa4chq@qsl.net>
To: <qrp-l@lehigh.edu>
Subject: [136390] Part search
Message-ID: <Pine.LNX.4.33.0209280630310.9002-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings-

I am trying to locate a part and have had no luck with Digikey or Dan's. What I am looking for is a 2n3204. Does anyone on the list know of a source?

Tnx es 72
Neil wa4chq

--
<http://www.qsl.net/wa4chq>

```
| | | _ | \ | | | \ \ / /
| | _ | | | . ` | | | | > <
| _ _ | _ _ | \ \ | \ _ _ // _ \ \
```

Date: Sat, 28 Sep 2002 07:47:32 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: k2jq@rcn.com, qrp-1@lehigh.edu
Subject: [136391] Re: RE-LISTED MESSAGES
Message-ID: <F103TiQRvzFsc54nc1C0000b4f1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dick wrote

>Gang,
>
>Am I going nuts, or is the list server regurgitating messages from a few
>days ago ?
>
>There are some threads I'd rather not see again.....
>

Maybe it is some sort of punishment....

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 28 Sep 2002 07:51:02 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-1@lehigh.edu>
Subject: [136392] RE: Rockmite 20: inductor parrallel with D1/D2
Message-ID: <000201c266e5\$525b1500\$9b82f3ce@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Reply from Dave himself:

-----Original Message-----

From: Dave Benson [mailto:nn1g@earthlink.net]

Sent: Saturday, September 28, 2002 10:28 AM

To: terresfm@ncia.net

Subject: Re: Rockmite 20: inductor parrallel with D1/D2

Jerry-

The mod helps with *local* AM BC interference only - not SWBC. You can first try a 1K resistor. I was surprised- I tried this out at ARRL HQ- within 2 miles of several 5KW stations and the interference vanished. I have not had a chance to check it out- I suspect the resistor will have less adverse effect on ultimate rejection than does the inductor.

73- Dave

Date: Sat, 28 Sep 2002 08:10:00 -0400 (EDT)

From: wb0wao@hotmail.com (Dennis Ponsness)

To: wa4chq@qsl.net

Cc: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)

Subject: [136393] Re: Part seach

Message-ID: <21369-3D959C18-4584@storefull-2157.public.lawson.webtv.net>

Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII

Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)

I checked the current Fairchild Semiconductor cross reference guide and they don't list that part. Could you be refering to a 2N3904??? Never heard of a 2N3204, but that don't necessarily mean anything... <grin>

72 es oo

Dennis - WB0WAO

NJQRP #329

FPQRP #-347

SOC

#499

FISTS # 9299
GACW #622
ARS #1363

Date: Sat, 28 Sep 2002 07:17:12 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'nr5a@hills.net'" <nr5a@hills.net>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136394] RE: 73 Magazine
Message-ID: <01C266BF.B4C6A860@KKANALZ>

Well, Jerry, that's what "73 Magazine" is all about in the first place: "Porno-type Ham Radio Information" [grin]

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: nr5a [SMTP:nr5a@hills.net]
Sent: Friday, September 27, 2002 10:50 PM
To: Low Power Amateur Radio Discussion
Subject: Re: 73 Magazine

I just did a Google search for 73 Amateur Radio Today, it gave me some links but everytime I clicked on one all I got was a porno site that would not go away unless I turned off the computer and rebooted. Never saw anything like that before, must have closed it 10 times and it kept coming back. Oh well, thats not what I'm posting about.

Does 73 Magazine have a website? I like to nose around it for abit. I hate to spend money on something I have not seen.

Jerry - NR5A

Date: Sat Sep 28 08:10:04 2002
From: wa4chq@qsl.net
To: qrp-1@lehigh.edu
Subject: [136395] re: 2n3204
Message-ID: <200209281227.g8SCRiQh030537@grits.crosslink.net>
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings-

I thought the same thing when I was asked if I had any of them in my junkbox. A search in various catalogs came up nil. I asked him what the circuit was and found it was a "tubescreeamer", used for effects with an electric guitar. I found a schematic online and they used the 3904's. So please disregard my query.

Tnx

Neil wa4chq

Date: Sat, 28 Sep 2002 08:37:28 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: wa4chq@qsl.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136396] Re: Part search
Message-ID: <4.1.20020928083242.00962e00@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Neil

<http://www.microsemi.com/catalog/pack.asp?packid=T0-5>

Show it not sure about ordering from them in small quantities.

Dave
WA4EMR

At 06:33 AM 9/28/02 -0400, wa4chq@qsl.net wrote:

>Greetings-

>I am trying to locate a part and have had no luck with Digikey or Dan's.

>What I am looking for is a 2n3204. Does anyone on the list know of a
>source?

>Tnx es 72

>Neil wa4chq

>

>--

><http://www.qsl.net/wa4chq>

>

>| | | _ _ | \ | | | \ \ / /

>| | _ _ | | | . ' | | | | > <

>|____|____|_|_|____//_/__\\
>

Date: Sat, 28 Sep 2002 07:43:17 -0500
From: "Jay Henson" <aj4ay@worldnet.att.net>
To: "Brian" <brian@iquest.net>, <QRPP-I@yahoogroups.com>,
"QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [136397] Re: [fpqrp] New Bacon Bits
Message-ID: <004201c266ec\$9fe07e80\$c470560c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brian,

Very fine job on the Oct BB.

I believe there might be a poolitser in there somewhere.

Be good and 00!

See you on the radio.

Jay

AJ4AY Mobile, AL

FISTS #7917 ARCI #8131 SOC#220 FP# - 115

----- Original Message -----

From: "Brian" <brian@iquest.net>
To: <QRPP-I@yahoogroups.com>; "QRP-L" <qrp-l@Lehigh.EDU>; "Pigs"
<fpqrp-l@mpna.com>
Sent: Friday, September 27, 2002 11:18 PM
Subject: [fpqrp] New Bacon Bits

> The October Issue of the Bacon Bits is now online.

>

> "Bacon Bits" is the almost award winning monthly newsletter and gossip
> rag of the Flying Pigs QRP Club. We publish almost anything related
> to amateur radio, kit building, antoona tenning, accidental parts
> destruction, and other SOC or FP related experiences.

>

> Ocassionally we have REAL articles from very good hams. This month we
> look at a QRPP Attenuator, a direct digital VFO review, new anti-virus

> software and real live pictures of AF4PS, Mac - The Invisible Piggie,
> K4FB - The contesting Piggie, and N0UR getting his first taste of
> southern fried corn grits.
>
> Like my granny always said..."Boy, eats your grits, they's
> substanshul."
>
> Anyway...if you want to look at it...
>
> <http://www.fpqrp.com>
>
> 73
>
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Sat, 28 Sep 2002 09:00:58 -0400
From: VA3T0 <hduff@rogers.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136398] Icom's new IC-703 QRP rig
Message-ID: <3D95A80A.EC028298@rogers.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone heard when the IC-703 will be available ?

Hugh VA3T0

Date: Fri, 27 Sep 2002 08:12:16 -0500
From: "Brian" <brian@iquest.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136399] Re: QRP Crystals Now Available!!!
Message-ID: <005b01c26627\$811b8fa0\$0e64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ATTENTION READERS OF QRP-L!!!

DAVE HAS SPOKEN!! NOTHING MAY BE SOLD UNLESS IT SUPPORTS A QRP EVENT.

THAT IS ALL.

Someone throw that guy a rope, he's about 30 meters over the edge.

73

----- Original Message -----

From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, September 27, 2002 1:36 AM
Subject: Re: QRP Crystals Now Available!!!

> Give it up Brice. If the profits all went to support a major
> QRP event such as QRPacificon or Atlanticon or FDI
> or whatever (to pay for the speaker's rooms, flights, other
> conference costs, etc.) then I'm sure we wouldn't mind so
> much, but, as far as I can tell, you are pocketing the gross
> profits here personally, right?

Date: Sat, 28 Sep 2002 09:22:23 -0400
From: W2AGN <w2agn@w2agn.net>
To: brian@iquest.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136400] Re: QRP Crystals Now Available!!!
Message-ID: <3D9574CF.27717.F3B322E@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 27 Sep 2002 at 8:12, Brian wrote:

> ATTENTION READERS OF QRP-L!!!
>
> DAVE HAS SPOKEN!! NOTHING MAY BE SOLD UNLESS IT SUPPORTS A QRP EVENT.
>
> THAT IS ALL.
>
> Someone throw that guy a rope, he's about 30 meters over the edge.
>
> 73
>

I guess Red Hot Radio is a non-profit outfit?

(Maybe not on purpose?)

--

/\ /\ /\ /\ /\ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/ _/ _/ _/ _/ QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

Date: Sat, 28 Sep 2002 08:20:32 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: qrp-l@lehigh.edu
Subject: [136401] OT: Need Linux Help
Message-ID: <02092808224600.01895@localhost.localdomain>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Well, I left the subject line off the first (second) time :^) Here it goes again so you know what in the world I'm talking about:

Is there some way to repair your file system when your PC crashes, other than formatting the *&\$^ drive and starting all over again?

72/73/oo
Rob, w0jrm

=====
<http://www.qsl.net/w0jrm>
=====

Date: Sat, 28 Sep 2002 14:32:26 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: <pbonucci@slonet.org>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136402] Re: DSP for QRP
Message-ID: <DAV21uBI3YrFAGWYbcK000063ca@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Peter A. Bonucci" <pbonucci@slonet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 28, 2002 6:09 AM
Subject: Re: DSP for QRP

> VA3TO,
>
> Unfortunately, I don't think there is a "DSP for Dummies". There is a
> "DSP without Tears;" it is a fairly expensive course mostly intended for
> managers of DSP engineers so that they at least have a clue what their
> people are talking about. I don't think that is what you're looking for.

The Handbook has a good introduction to DSP techniques, but won't teach you
how to actually apply them.

73, Leon
--
Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sat, 28 Sep 2002 08:55:12 -0500 (CDT)
From: psykey@okcforum.org (Jim Glover)
To: w6toy@erols.com (Bruce Muscolino)
Cc: psykey@okcforum.org,
 qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)

Subject: [136403] Re: "Looking It Up"
Message-ID: <20020928135512.52DB08818@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Said Bruce:

> Such an interesting apology!

Bruce, if you thought I was apologizing for anything, you must have completely missed the meaning of what I wrote. People who bring us questions owe no one any sort of apology for doing so, and those who respond as if they do, are doing QRP-L and amateur radio a grave disservice. Neither hobby (QRP, nor the broader radio/electronics hobby) can afford in this day and age to make would-be participants feel unwelcome just because we don't like their preferred style of learning. Online forums are in a unique position to provide the Elmer function which is getting harder and harder to come by in routine everyday life. QRP-L is one of the better online forums. We ignore this opportunity to educate and welcome only at the peril of the hobby we love. The world will change. We may either adapt, or see the institution of amateur radio become obsolete by the time people my age retire.

I don't object to advising someone who has a question to look for deeper understanding in a book. The advice is largely pointless if it's too general (e.g. "a good book on circuit analysis"), but no harm is done, if that's as far as it goes. When someone brings up a question here, and there are a rich variety of answers, that's a very good thing. Usually, the person who asked the question, and at least dozens, if not hundreds or more, of the thousands who read this list will learn something. If part of what they learn includes some good pointers about where to learn more in books, that's a good thing too.

I am uncomfortable, however, with the tone this thread is taking, with all sorts of criticisms and put-downs of those who choose to bring their questions here. I hope everyone understands that many of us here on QRP-L are ready and willing to answer any questions we feel competent to answer, without trying to make anyone feel bad for not having done more research before asking. (I usually offer my advice in private email, since I read QRP-L in the daily digest.)

And, no... I do not apologize for believing these things!

73,
Jim WB5UDE

Date: Sat, 28 Sep 2002 09:05:49 -0500
From: <stanw@toxsor.com>
To: <qrp-1@lehigh.edu>
Subject: [136404] CyBiko and ham radio
Message-ID: <000501c266f8\$297a5200\$0364010a@toxsor.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After some surfing. It appears that the Cybiko one should look for is the older model, the Classic, which has a RS-232 port, the new model has USB. free software available to use for packet, APRS and also as a VT100 terminal. Need the RS-232 for your TNC connection.

The software development tools (C) are also available, Free, maybe \$49 if you want the pro version.

Ebay has the older Classic models - lots of them, even new ones - in the \$10 to \$15 dollar range.

A RTTY program would be an easy one to develop and a ham receiver controller also comes to mind. Who will be the first to do a CW reader? Be tough to type on the small keyboard, but maybe at CW speeds it would not be too bad.

The computing power for \$10 is just unreal. I would pick up two of them so they can talk to one another. Software is available for transferring from CYBIKO 900 MHZ to a packet KISS port. Again FREE. See KR1ST web page on UI gate, etc.

Does not contain a DSP chip. Darn..... No PSK-31 with it without lots of additional hardware.

It is a kid's toy..... Comes in several colors..... You do not get a choice it seems on color.

Could be more fun than a 49er..... If you get one, let's share the software..... Put some of the old ham spirit back into the hobby. hi

73 de Stan ak0b ak0b@swbell.net

Date: Sat, 28 Sep 2002 08:46:57 -0600

From: "Jess Gypin" <jessmx5@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136405] Re: "Looking It Up"
Message-ID: <051c01c266fd\$ea0d62a0\$41365742@jgypin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am suprised to see the list in an uproar still after all of this time. I have been monitoring for about 2 weeks and it seems as if half of the traffic is not really QRP related. I have also been off of the air for personal reasons for about 3 years. Glad to see that most of the old listers are still around.

If someone needs an Elmer, I don't care how basic the question is, it deserves an answer. If someone were to come to your door at your house and say that they noticed the antennas and wanted to learn about radio, what would you do? Hand them a book and tell them to come back after they have read it and then close the door in their face? How can you expect someone to get started down the path of a great hobby if you make it hard for them to get started. Not everyone can be blessed with all of the knowledge that some have gotten after years of playing and research.

Seems that some of this vane of thinking is kind of counter to the ham code.

Jess AE0CW

----- Original Message -----

From: "Jim Glover" <psykey@okcforum.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, September 28, 2002 7:55 AM
Subject: Re: "Looking It Up"

> Said Bruce:

>

> > Such an interesting apology!

>

> Bruce, if you thought I was apologizing for anything, you must have
> completely missed the meaning of what I wrote. People who bring us
> questions owe no one any sort of apology for doing so, and those who
> respond as if they do, are doing QRP-L and amateur radio a grave
> disservice. Neither hobby (QRP, nor the broader radio/electronics
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> feel unwelcome just because we don't like their preferred style
> of learning. Online forums are in a unique position to provide the
> Elmer function which is getting harder and harder to come by in
> routine everyday life. QRP-L is one of the better online forums.

> We ignore this opportunity to educate and welcome only at the peril
> of the hobby we love. The world will change. We may either adapt,
> or see the institution of amateur radio become obsolete by the time
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> I don't object to advising someone who has a question to look for
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> it's too general (e.g. "a good book on circuit analysis"), but no harm
> is done, if that's as far as it goes. When someone brings up a question
> here, and there are a rich variety of answers, that's a very good thing.
> Usually, the person who asked the question, and at least dozens, if
> not hundreds or more, of the thousands who read this list will learn
> something. If part of what they learn includes some good pointers
> about where to learn more in books, that's a good thing too.
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> with all sorts of criticisms and put-downs of those who choose to
> bring their questions here. I hope everyone understands that many
> of us here on QRP-L are ready and willing to answer any questions
> we feel competent to answer, without trying to make anyone feel bad
> for not having done more research before asking. (I usually offer
> my advice in private email, since I read QRP-L in the daily digest.)
>
> And, no... I do not apologize for believing these things!
>
> 73,
> Jim WB5UDE
>

Date: Sat, 28 Sep 2002 09:51:58 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>
To: "QRP-L Distribute" <qrp-l@lehigh.edu>
Subject: [136406] 38 Special QSO with Prose Walker, W4BW
Message-ID: <000501c266fe\$9918f070\$eb36a6d8@Hal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Last October while camping I had an extremely fine QSO with Prose, W4BW. We "chatted" on 30m for about 45 minutes. I was using my 38 Special and an end-fed halfwave antenna in the cedar trees. Neither one of us missed a dit. At that time he never mentioned his "official" history, just ham radio stuff. He was a perfect CW operator even though he said he was 92 years old!

It wasn't until a few months ago that I found out he was famous in "A Pictorial History Of Collins Amateur Radio Equipment" and also after talking with old timers about our QSO. I remember him for the fine CW QSO we had while I was in the sticks.

Today I was saddened to find via the ARRL message below out that Prose had passed away.

73,
Steve Yates - AA5TB

SB SPCL @ ARL \$ARLX007
ARLX007 Former FCC Official A. Prose Walker, W4BW, SK

ZCZC AX07
QST de W1AW
Special Bulletin 7 ARLX007
>From ARRL Headquarters
Newington CT September 27, 2002
To all radio amateurs

SB SPCL ARL ARLX007
ARLX007 Former FCC Official A. Prose Walker, W4BW, SK

Former FCC official A. Prose Walker, W4BW, the man some consider the godfather of the so-called 'WARC bands'--30, 17 and 12 meters--died August 8 following a brief illness. He was 92. Word of his death reached ARRL Headquarters this month.

Walker, who headed the FCC Amateur and Citizens Division from 1971 until 1975, made the initial proposal for three new amateur allocations at 10, 18 and 24 MHz during an International Amateur Radio Club (4U1ITU) meeting in Geneva in 1972. Later, he organized and chaired the US preparatory committee for the Amateur Service--the Advisory Committee of Amateur Radio--which took the initial steps to turn the idea into reality at the 1979 World Administrative Radio Conference. The committee also included former ARRL General Manager Richard L. Baldwin, W1RU, who said this week that he was greatly saddened to learn of Walker's passing.

'One of my fondest memories of WARC 79 was the pleasure and the challenge of working with Prose in preparing for that conference,' Baldwin said. 'He was a stalwart supporter of the Amateur Service, and few amateurs realize how very much they owe to him.'

Walker's most recent recognition came at Dayton Hamvention 2000,

when he was recognized with a special achievement award, an honor his daughter, Helen Herman, said he coveted among many other more prestigious awards. The award recognized his work in obtaining the new amateur allocations more than two decades earlier.

An ARRL Life Member and a licensee since the 1920s, Walker was an enthusiastic amateur who remained quite active on the air until shortly before his death. Only a few months before he died, he bought a state-of-the-art transceiver and reveled in becoming acquainted with its many features. Walker's favorite operating mode was CW, and he was a frequent visitor on the bands he'd help create.

A native of Ohio, Walker's career took a number of turns, including a stint as a high school teacher, but his primary contributions were in the fields of communications and engineering. He did two tours with the FCC and also worked for the National Association of Broadcasters and Collins Radio Company.

During his career, Walker earned a global reputation for participation and leadership within the International Telecommunication Union (ITU). He was the leading member of the US delegation at more than 20 international conferences.

ARRL Chief Executive Officer David Sumner, K1ZZ, knew Walker and occasionally encountered him on the air. "The careers of some radio amateurs are so long and so rich that they bridge generations," Sumner said. "Prose was among these."

Walker retired to Florida, but after his wife Ellanie died in 1999, he moved to Rochester, New York, to be near his daughter, Helen. A memorial service will be held later this year.

NNNN

/EX

Date: Sat, 28 Sep 2002 10:08:32 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136407] RE: "Looking It Up"
Message-ID: <01C266D7.00C04E80.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

What nonsense!

-----Original Message-----

From: Bruce Muscolino [SMTP:w6toy@erols.com]

>Such an interesting apology!

>If any of you took the time to read my original message to Leon, you
>will note that I first answered what he was asking.

Did you? You said, "I think it is close enough. If you are really
interested in g
parameters, don't bother with the web, go to the library and get a
good
book ..."

First of all, is it really "close enough"? Is input impedance equal to the
reciprocal of the magnitude of y_{11} ? And even if it is, would you "match"
to its magnitude only, without regard to the individual resistive and
reactive components? And what do you mean by "g parameters"? Isn't "g"
just the symbol used for the conductance component of the complex y_{11} term?

The fact is, a good technical question never got the discussion it deserved
because you diverted the entire list into a predictable upheaval, like you
do several times a year. It works like this: You chastise a beginner (or
in this case, a technically astute individual) for asking a technical
question. This sets off the predictable orgy of knee-jerk self promotion
and denunciations of those who dare to use QRP-L as a technical forum,
coming from the same old set of pathetic misanthropes.

Their outpouring of bile isn't going to affect me in the least--I will
continue to participate in technical discussions on QRP-L. I'll ask
questions, and I'll answer them if I'm able and have the time. Even if I
don't know, I'll participate in the discussion and try to learn something.

But as Jim said, the sad outcome of this whole flurry of offensive
postings will be to intimidate many who are new to the list, or are new to
homebrewing, and don't want to risk being publicly attacked for asking a
simple question.

Bruce, you didn't answer the question, you don't know the answer to the
question, and you wouldn't know even if you consulted your vast technical
library.

72--Nick, WA5BDU

>Then, and only

>then, did I SUGGEST he might look up imaginary parameters in a circuit

>analysis textbook.

"Imaginary parameters"? Get a clue!

Date: Sat, 28 Sep 2002 11:30:14 -0400
From: "Paul Mills" <quahog@localnet.com>
To: <QRP-L@lehigh.edu>, <w0jrm@arrl.net>
Subject: [136408] Re: Need Linux Help
Message-ID: <000501c26704\$11289e80\$a0439942@cybrinjn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Short answer: man fsck

fsck can make repairs, but the best cure is backups.

A couple of questions:

1. What flavor of Linux? e.g, Redhat 7.2, Slackware 7.0. etc.
Just for my info.
2. Does your system boot up or does it puke all over the
screen? If it boots, there is hope, though there may still be
data loss.
3. Do you have some kind of rescue/recovery disk? SOME distros
may have this. Even without it, you can boot from the install
disk, mount the trashed volume and do a fsck.

There is a lot of information in the /usr/doc/ area that can
help you plan a strategy against future filesystem tragedies.
Don't be timid, Linux is a hands-on OS and a curious and
experimental nature will be rewarded!

[Attention all: I hope the above will prove to be a template
for handling questions. Several years as an Autocad training
and support person and later a network manager in a medium sized
firm with all female users gave me patience!]

Paul KB1GEJ
quahog@localnet.com

----- Original Message -----

From: Rob Matherly <w0jrm@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, September 28, 2002 9:20 AM

Subject: OT: Need Linux Help

> Well, I left the subject line off the first (second) time :^)

Here it goes

> again so you know what in the world I'm talking about:

>

> Is there some way to repair your file system when your PC
crashes, other than

> formatting the *&\$^ drive and starting all over again?

>

> 72/73/oo

> Rob, w0jrm

>

> =====

> <http://www.qsl.net/w0jrm>

> =====

>

Date: Sat, 28 Sep 2002 10:26:07 -0500

From: Ron Keener <rkeener@realtime.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [136409] handicapped ham needs help in Tampa FL area this winter

Message-ID: <3D95CA0F.5F06C480@realtime.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

can some of you in the Tampa FL area make your services available to
help in this situation?

Pam's father is coming to visit over the winter - she wants to put up
some simple antennas for him to use during his visit - she lives on the
northwest side of Tampa near the horse racing track

please contact her directly - I am leaving home tomorrow for several
weeks

thanks

ron WA0REE - austin TX

----- Original Message -----

Subject: Re: Trip

Date: Sat, 28 Sep 2002 08:25:25 EDT

From: Rodeorow@aol.com

To: Ron@MidAmericaBreedingTech.com

Daddy had wanted to follow your travels but afraid he isn't up at sunrise. Being disabled, Mother has to help him out of bed and get him dressed so 9-10 am is about the earliest he gets about. His mind is still great but the MD has weakened his limbs to the point he has lost most of the use.

I did get his antenna up and we tested it out when I was there in July. I had no idea he had been off the air for 2 years - he is too proud to ask for help - due to an ice storm bringing down his long wires. I got them up secure (I hope) and on the sly called a couple of his ham buddies in the area and asked them to stop in every few months and make sure he was still up and running. He is chair bound so no climbing ladders anymore! One buddy has a boy scout troupe so I felt better knowing there would be some boys that need to earn community service badges! Hopefully they will also check on them in the winter and maybe clear the drive occasionally for them. They live in the city and the neighbors look out for them but my mom (75) still insists to get out and start shoveling and sweeping when the big snows drop! They have agreed to come down for Christmas, Jan and Feb so hopefully they will miss most of the bad part of winter! If he gives me the specs I have plenty of places to string up a long wire and he can just bring on down the equipment with him.

Hope to be back up there around Thanksgiving (WV) and will see what I can do then. I have been known to use his call letters - oh goodness, shhhh!!!! - but then I have been around ham radio for over 30 years!

Tilted Halo Ranch

Home to the Lunn Family

Pam, Tiny, Clinton and Charley

and the Critters!

Visit my website at [Rodeo Right of Way Services](http://RodeoRightofWayServices.com)

Date: Sat, 28 Sep 2002 09:38:14 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Bill Coleman <aa4lr@arrl.net>
Cc: qrp-1@lehigh.edu
Subject: [136410] Re: Wire and ferrite baluns
Message-ID: <Pine.LNX.4.44.0209280925280.2050-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill your trying to tell me that I do not understand and neither does MFJ. All I can tell you is the following: I got a balun kit from LBJ having a red powdered iron core and it was a 4:1 balun and did not work at all on any frequency. I bought a uncolored ferrite core and rewound the balun for 4:1 and it worked fine from 80 thru 10 meters. I then reconnected it for 1:1 balun and it is working fine now on my antenna.

I used a small ferrite core and made a 1:1 balun on my Dan's Small Parts 20 watt T tuner I built. It works fine 80 thru 10 meters.

All three of my MFJ antenna tuners have ferrite cores hooked up as 4:1 baluns because it makes it convenient to bring out to connectors in the back of the tuner. I reconnected one to 1:1 and it's working fine.

Please give me an example of a balun that works using a powdered iron core. The Z-match is not a balun.

On Fri, 27 Sep 2002, Bill Coleman wrote:

> On 9/27/02 5:01 PM, Karl F. Larsen at k5di@zianet.com wrote:
>
> >As usual, your wrong Bill.
>
> I believe the converse is usually the case.
>
> >The MFJ-989 balun has a ferrite core. So does all my MFJ tuners.
>
> If it has a ferrite core, it cannot be a voltage balun. The windings
> would have far too much inducance to do the job properly.
>
> If the cores are ferrite, as you say, the MFJ tuners must be using a
> current balun. You cannot wire up a current balun to have a 4:1
> transformation ratio with a single core. (You can with two cores)
>
> Bottom line: the materials used for voltage and current baluns are
> different, and cannot be interchanged.
>

>
> >On Tue, 17 Sep 2002, Bill Coleman wrote:
> >
> >> On 8/5/02 8:21, Karl F. Larsen at k5di@zianet.com wrote:
> >>
> >> >It appears your MFJ-989C is quite a bit bigger than my MFJ-989
> >> >and has the coax wound balun while mine has the much smaller wire toroid
> >> >type. It is easy to change from 4:1 to 1:1 if desired.
> >>
> >> Again, this is incorrect. You cannot just re-wire a 4:1 voltage balun
> >> into a 1:1 current balun. The voltage balun has a powdered iron core. The
> >> current balun will use ferrite. The two materials are vastly different.
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 28 Sep 2002 11:32:50 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <quahog@localnet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136411] RE: Need Linux Help
Message-ID: <FAEEKPCBNNDNKMGPIBKIEGAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You Might try doing a search on Yahoo for related groups. I just did that
and got many hits
a dedicated group is the appropriate place to get the answers you are
looking for
Regards
Dave
WR3I

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of Paul Mills
Sent: Saturday, September 28, 2002 11:30 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Need Linux Help

Short answer: man fsck

fsck can make repairs, but the best cure is backups.

A couple of questions:

1. What flavor of Linux? e.g, Redhat 7.2, Slackware 7.0. etc. Just for my info.
2. Does your system boot up or does it puke all over the screen? If it boots, there is hope, though there may still be data loss.
3. Do you have some kind of rescue/recovery disk? SOME distros may have this. Even without it, you can boot from the install disk, mount the trashed volume and do a fsck.

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Paul KB1GEJ
quahog@localnet.com

----- Original Message -----

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To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, September 28, 2002 9:20 AM
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> Well, I left the subject line off the first (second) time :^)
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>
> 72/73/oo
> Rob, w0jrm
>
> =====
> <http://www.qsl.net/w0jrm>
> =====
>

Date: Sat, 28 Sep 2002 11:35:17 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136412] Re: "Looking It Up"
Message-ID: <002301c26704\$a5b926a0\$6501a8c0@cable.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jess -- good to see you back on the list !

I've sat here for the several days that this thread has been ongoing. One thing that bothers me is that people have gotten paranoid about asking questions now. They copiously detail the research they've done before asking the question, for fear of being criticized. This detail is sometimes as long as the basic question.

I'm not directing this comment at those who are doing a little "P.Y.A." but let's cut through the B.S. and get back to the subject of QRP.

Bruce, if you don't like the question, or don't think it's technical enough, hit the "Delete" key !

Thanks for listening, everyone

73

Dick K2JQ

----- Original Message -----

From: "Jess Gypin" <jessmx5@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 28, 2002 10:46 AM
Subject: Re: "Looking It Up"

> I am suprised to see the list in an uproar still after all of this time. I
> have been monitoring for about 2 weeks and it seems as if half of the
> traffic is not really QRP related. I have also been off of the air for
> personal reasons for about 3 years. Glad to see that most of the old
> listers are still around.

Date: Sat Sep 28 11:29:42 2002
From: wa4chq@qsl.net
To: qrp-1@lehigh.edu
Subject: [136413] re: disregard
Message-ID: <200209281547.g8SF10Qh023517@grits.crosslink.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I guess there is a 2n3204....now I just need to find out about
ordering them unless someone on the list has a few they'd like to sell.
Tnx for the replies.
72 Neil wa4chq

Date: Sat, 28 Sep 2002 12:17:57 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136414] RE: Wire and ferrite baluns
Message-ID: <FAEEKPCBNNDNKGMPIBKMENPCGAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Karl,

I am curious How do you use the 1:1 Balun on you 20 watt tuner?

Dave

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Karl F. Larsen
Sent: Saturday, September 28, 2002 11:38 AM
To: Low Power Amateur Radio Discussion

Subject: Re: Wire and ferrite baluns

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> On 9/27/02 5:01 PM, Karl F. Larsen at k5di@zianet.com wrote:
>
> >As usual, your wrong Bill.
>
> I believe the converse is usually the case.
>
> >The MFJ-989 balun has a ferrite core. So does all my MFJ tuners.
>
> If it has a ferrite core, it cannot be a voltage balun. The windings
> would have far too much inducance to do the job properly.
>
> If the cores are ferrite, as you say, the MFJ tuners must be using a
> current balun. You cannot wire up a current balun to have a 4:1
> transformation ratio with a single core. (You can with two cores)
>
> Bottom line: the materials used for voltage and current baluns are
> different, and cannot be interchanged.
>
>
> >On Tue, 17 Sep 2002, Bill Coleman wrote:
> >
> >> On 8/5/02 8:21, Karl F. Larsen at k5di@zianet.com wrote:

> >>
> >> >It appears your MFJ-989C is quite a bit bigger than my MFJ-989
> >> >and has the coax wound balun while mine has the much smaller wire
toroid
> >> >type. It is easy to change from 4:1 to 1:1 if desired.
> >>
> >> Again, this is incorrect. You cannot just re-wire a 4:1 voltage balun
> >> into a 1:1 current balun. The voltage balun has a powdered iron core.
The
> >> current balun will use ferrite. The two materials are vastly different.
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 28 Sep 2002 17:32:30 +0100
From: "Matthew Balmer" <matthew@thebalmers.freemove.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [136415] DDS spurs
Message-ID: <002b01c2670c\$a41986c0\$6d02893e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

This is a second attempt at sending this so apologies if it doubles.

I am interested in experimenting with DDS operating at 14 and 22MHz, control via a PIC. Spurs seem to be a problem with DDS VFOs, most sources I've read seem to suggest around -50dBc for the spurs.

Just how much of a problem are these going to be to a high performance receiver? It is obviously going to be a problem with the spurs mixing with other signals, and clearly the problem it will cause will depend on the strength of the signal it mixes with.

I know I could use a "clean-up" PLL but I'm interested, if it won't harm the performance too much, in just using a simple DDS VFO.

Any comments/experiences would be greatly appreciated.

72/3

Matthew M5EVT

Date: Sat, 28 Sep 2002 12:41:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Jim Glover <psykey@okcforum.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136416] Re: "Looking It Up"
Message-ID: <3D95DBC.B6D20D1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is a bit of a stretch. The knowledge is over 50 years old, and I was not especially interested at the time, but the field of Apologetics is a valid field. I think, it has to do with how you construct an argument. It was taught as part of a class in Logic and Ethics. I may be wrong. Look it up in your dictionary!

I actually did read your message, and found parts of it interesting!

73

>
> > Such an interesting apology!
>
> Bruce, if you thought I was apologizing for anything, you must have
> completely missed the meaning of what I wrote.

Date: Sat, 28 Sep 2002 12:48:46 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jessmx5@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136417] Introducing Newcomers, was "Looking It Up"
Message-ID: <3D95DD6E.981F35CA@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Of course I would not turn away anyone who wanted to learn about ham radio. Why would I do that? Ham radio has been responsible for a long and interesting career for me!

I would invite him in and give him a demonstration of my station. I would spend as much time as necessary explaining what he had seen. I would also explain that ham radio requires some technical knowledge, and that to get interested in it further will require some study. Then I would give him a basic book like ARRL's "Tune in the World" book and ask him to read up a little and come back.

What would you do? Do you know a better way?

73

Date: Sat, 28 Sep 2002 12:57:44 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136418] Apologetics
Message-ID: <FAEEKPCBNNDNKGMPBKMEOACGAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Nice new Topic!

Isn't this more to do with the Higher Power (Theology) rather than Low power?

Dave

WR3I

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Bruce Muscolino
Sent: Saturday, September 28, 2002 12:42 PM
To: Low Power Amateur Radio Discussion
Subject: Re: "Looking It Up"

This is a bit of a stretch. The knowledge is over 50 years old, and I was not especially interested at the time, but the field of

is a valid field. I think, it has to do with how you construct an argument. It was taught as part of a class in Logic and Ethics. I may be wrong. Look it up in your dictionary!

I actually did read your message, and found parts of it interesting!

73

>

> > Such an interesting apology!

>

> Bruce, if you thought I was apologizing for anything, you must have
> completely missed the meaning of what I wrote.

Date: Sat, 28 Sep 2002 13:10:28 -0400

From: Hugo <hugo@optonline.net>

To: k5di@zianet.com,

Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [136419] Re: Wire and ferrite baluns

Message-ID: <001401c26711\$f221c6c0\$0500a8c0@560e>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

You can use ferrite to make either a voltage or current balun.

With Iron powder, since the permeability is much less than ferrite, size does matter and you can not use a small core.

The same turns ration don't apply. The desired bandwidth is easier to achieve with higher perm cores. Most of the time the price to pay is low efficiency, (heat loss), although you see a nice match with the network. Speaking of MFJ, they have a reversible L 'mobile' tuner (don't know the model, but you might know it), with a coil wound on two stacked ferrite cores about 1 1/4 " diameter that matches almost anything with a nice bandwidth. If you thing about it, the reason is simply the horrible losses in that core that makes it so easy to match to a low VSWR

Also never forget that the core is only necessary for lower bands. The same "wideband-cure_it_all" balun (80-10M), doesn't make use of the core's magnetic properties on higher bands.

I don't know who LBJ is nor what he or she sells, therefore I can't tell whether the design is flawed or you wound it wrongly.

My point is that you can even make an efficient current (choke) or voltage balun with either or NO core at all.

It seems to be a confusion amongst some list members on this issue. The ARRL Antenna Handbook has plenty of info about transmission line transformers.

72,
Hugo
AA1XV a.k.a. CX9AAK

Date: Sat, 28 Sep 2002 13:17:45 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wr3i@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136420] Re: Apologetics
Message-ID: <3D95E439.29387DE3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Like I said, I learned it back around 1959, at college, a catholic college at that. I was not especially interested in it at the time. But it is a valid field of study!

73

Date: Sat, 28 Sep 2002 10:22:27 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <w2agn@w2agn.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136421] Re: QRP Crystals Now Available!!!
Message-ID: <005b01c26713\$9e8ceab0\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Indeed, it is. RHR was deliberately set up to bring more NC20 rigs and their derivatives (RH20, RH40) to the QRP community as a way of giving back. It was never intended otherwise. That's why I don't feel bad not having shipped any new kits for a while now - I simply don't have

the spare time. If I were being compensated for the time spent (monitarily), I would put more effort into it. I see QRP as a hobby community, not a way to make money. Most hams are impecunious, so I like to see sharing (of parts and information).

72, Dave, AD6A

----- Original Message -----

From: "W2AGN" <w2agn@w2agn.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, September 28, 2002 6:22 AM

Subject: Re: QRP Crystals Now Available!!!

> On 27 Sep 2002 at 8:12, Brian wrote:

>

> > ATTENTION READERS OF QRP-L!!!

> >

> > DAVE HAS SPOKEN!! NOTHING MAY BE SOLD UNLESS IT SUPPORTS A QRP EVENT.

> >

> > THAT IS ALL.

> >

> > Someone throw that guy a rope, he's abotu 30 meters over the edge.

> >

> > 73

> >

>

> I guess Red Hot Radio is a non-profit outfit?

>

> (Maybe not on purpose?)

>

>

>

> --

>

> /_ \ /_ \ /_ \ /_ \ /_ \ John L. Sielke

> (W)(2)(A)(G)(N) <http://www.w2agn.net>

> _ / _ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB

> Ex- K3HLU, TF2WKT, W7JEF, W4MPC, N4JS

>

Date: Sat, 28 Sep 2002 18:19:25 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: matthew@thebalmers.freemove.co.uk, qrp-l@lehigh.edu

Subject: [136422] Re: DDS spurs
Message-ID: <F686Qpn0iIVEIWvnL2Y0000b2c5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Matthew Balmer" <matthew@thebalmers.freeseve.co.uk>
>Reply-To: matthew@thebalmers.freeseve.co.uk
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: DDS spurs
>Date: Sat, 28 Sep 2002 17:32:30 +0100
>
>Hi,
>
>This is a second attempt at sending this so apologies if it doubles.
>
>I am interested in experimenting with DDS operating at 14 and 22MHz,
>control
>via a PIC. Spurs seem to be a problem with DDS VFOs, most sources I've
>read
>seem to suggest around -50dBc for the spurs.
>
>Just how much of a problem are these going to be to a high performance
>receiver? It is obviously going to be a problem with the spurs mixing with
>other signals, and clearly the problem it will cause will depend on the
>strength of the signal it mixes with.
>
>I know I could use a "clean-up" PLL but I'm interested, if it won't harm
>the
>performance too much, in just using a simple DDS VFO.
>
>Any comments/experiences would be greatly appreciated.

ADI has some software for the AD9850 that tells you where the spurs are. I forget what it's called, but I've got a copy somewhere. You could use it to adjust things so that you don't have too many in the bands you are using.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Sat, 28 Sep 2002 14:36:49 -0400
From: "Lee Mairs" <lairs@cox.net>
To: <psykey@okcforum.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136423] Re: "Looking It Up"
Message-ID: <00b801c2671e\$0b0211c0\$3b6d020a@J4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well said. Now let's bury this thread once and for all.
Lee Mairs
km4yy

----- Original Message -----
From: "Jim Glover" <psykey@okcforum.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 28, 2002 9:55 AM
Subject: Re: "Looking It Up"

> Said Bruce:
>
> > Such an interesting apology!
>
> Bruce, if you thought I was apologizing for anything, you must have
> completely missed the meaning of what I wrote. People who bring us
> questions owe no one any sort of apology for doing so, and those who
> respond as if they do, are doing QRP-L and amateur radio a grave
> disservice. Neither hobby (QRP, nor the broader radio/electronics
> hobby) can afford in this day and age to make would-be participants
> feel unwelcome just because we don't like their preferred style
> of learning. Online forums are in a unique position to provide the
> Elmer function which is getting harder and harder to come by in
> routine everyday life. QRP-L is one of the better online forums.
> We ignore this opportunity to educate and welcome only at the peril
> of the hobby we love. The world will change. We may either adapt,
> or see the institution of amateur radio become obsolete by the time
> people my age retire.
>
> I don't object to advising someone who has a question to look for

> deeper understanding in a book. The advice is largely pointless if
> it's too general (e.g. "a good book on circuit analysis"), but no harm
> is done, if that's as far as it goes. When someone brings up a question
> here, and there are a rich variety of answers, that's a very good thing.
> Usually, the person who asked the question, and at least dozens, if
> not hundreds or more, of the thousands who read this list will learn
> something. If part of what they learn includes some good pointers
> about where to learn more in books, that's a good thing too.
>
> I am uncomfortable, however, with the tone this thread is taking,
> with all sorts of criticisms and put-downs of those who choose to
> bring their questions here. I hope everyone understands that many
> of us here on QRP-L are ready and willing to answer any questions
> we feel competent to answer, without trying to make anyone feel bad
> for not having done more research before asking. (I usually offer
> my advice in private email, since I read QRP-L in the daily digest.)
>
> And, no... I do not apologize for believing these things!
>
> 73,
> Jim WB5UDE
>

Date: Sat, 28 Sep 2002 14:37:25 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [136424] Question
Message-ID: <FAEEKPCBNNDNKGMPIBKKEOCCGAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have recently moved into a new home and in the garage there is a work
bench built by some previous owner
The top is made with 1/4" hardboard with aluminum sheet laminated to it.
As it is obviously a store bought product I thought I would like to get a
couple of sheets for my radio room.
Does anybody know where I can get such a thing?
Dave
WR3I

Date: Sat, 28 Sep 2002 14:53:08 EDT

From: NB6M@aol.com
To: QRP-L@Lehigh.EDU
Subject: [136425] Rockmite VX0 Mod update
Message-ID: <14d.14d33329.2ac75494@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

I have just begun work on "Modding" a Rock-Mite 40. Results thus far are very encouraging.

There are still a couple of things to work out, but the tuning range on this RM40, with the components I detailed in the article posted on Rod N0RC's website, is from 7029 to 7042 KHz.

I still need to do some work on the TX/RX offset, as it is made more complicated by the need to switch inductances in and out in order to cover the whole range indicated. However, progress is being made, and I hope to have that worked out soon.

I have made some changes in how I implemented the VX0 Mod and will be updating the article in order to make that info available. I decided to use the existing 7.5 Volt Zener diode to supply regulated tuning voltage, and ended up leaving the oscillator supplied with 12 Volts, unregulated, as the amount of drive to the PA was reduced too much when the oscillator was working from 7.5 Volts.

Because of the difference in drive levels available from the oscillator, reduced as it tunes lower in frequency, the TX power output at present ranges from just over a Half Watt at 7029 to over One Watt at 7042. This is with a 2N3053 in the PA and R18 shorted.

A change in the values of the feedback capacitors in the oscillator might help even out the drive level, or perhaps a change in the driver circuit will bring the drive up enough across the tuning range that the output will be closer to a watt at the low end as well.

11:45 AM - Just got off the air from a QSO with Kerry, N6WU, on 7032 KHz, who gave the little rig's signal quality a very good report. Fun stuff!

Now back to the bench, hi hi.

More later.

Wayne NB6M

Date: Sat, 28 Sep 2002 14:45:08 -0300
From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>
To: <qrp-L@lehigh.edu>
Subject: [136426] RE: Bandwidth of crystal ladder filters CW and SSB
Message-ID: <008501c26718\$4e5a1e00\$02000a0a@user>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all !

As more and more precision and at the same time rather low cost per unit quartz crystals become available, the design of homebrew ladder type or "" ladder type assymetric sideband filters"as one of my colleagues likes to call them,becomes a very attractive and interesting plus cost saving challenge.

I have several questions regarding those filters

1. crystals must be properly matched to within a very narrow frequency range .. OK, but does the accuracy of the match influence the wider bandwidth SSB filter less than the CW much narrower filters ??
2. Is it true or not, that no matter how you work around with these ladder filters, your response will ALWAYS be assymetric , in favor of the lower sideband ?
3. Is it true that the SSB filters (typically designed for between 1.8 kHz up to 3.2 kHz bandwith) produce much higher insertion losses than the narrower (100 hZ to 500 or 750 hZ wide) CW filters ???
4. What would be the simplest and lowest cost design for a SSB filter... and by this I mean using the least number of crystals and other parts ?
(this question is intended to gain knowledge towards the design of the HURRICANE TWO, a natural replacement for our HURRICANE ONE double side band rig , used here in Cuba during the hurricane season)
5. Which are the more popular and lower cost frequencies available from suppliers around the world ??? I understand that 3579 and 4433 are two of the most popular ones, but now it seems like there are many more frequencies that are mass produced for microprocessors and other

applications that has lowered the cost down
a lot
HOPE this is accepted as a QRP related topic
and that it may generate a L0000NNNG and interesting thread...

`72 and DX

Thanks in advance for your answers and
thoughts about the topic

Date: Sat, 28 Sep 2002 14:04:55 -0500
From: "David Bixler" <qrp@netins.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [136427] RE: Txpediton from 12000 feet on Saturday
Message-ID: <000001c26721\$ef23d5c0\$370520cf@XPComputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang:

Just worked Gary N0SXX at 1700 UTC at 14059.50 MHz.
He's on top with snow on the way.

72, Dave

David Bixler W0CH
Seneca, Missouri
QRP Web Site: <http://w0ch.com>
Four State QRP Group: <http://w0ch.com/fsqrp>

QRP: Little Radios, Big Fun!

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Gary Slagel
Sent: Friday, September 27, 2002 9:21 PM
To: Low Power Amateur Radio Discussion
Subject: Txpediton from 12000 feet on Saturday

Hi guys!

Planning to hike up to Shelf Lake, CO tomorrow and
operate on 20 meters for an hour or so. Hope to be on somewhere around

12 to 1 MDT. I'll be close to 14.060 mhz. I'll be with a non-ham buddy so I'll probably keep the operating time fairly short.

I've never been to Shelf Lake but the topo map says its a little lake (more like a pond) at 12000 feet elevation. It sits in a bowl, almost totally surrounded by 13000 foot ridges. Hopefully about a 2 hour hike in.

I'll have my k1 with a little self supporting 20 meter vertical. Usually works pretty good but sitting down in that bowl I'm guessing it'll be a pretty small qrp sig :-)!

I appreciate anyone with the time to listen for that little N0SXX cq coming out of the mountains. I'll probably send out a picture qsl with the location.

73,
Gary

=====
Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://gdslagel.bravepages.com>

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
<http://sbc.yahoo.com>

Date: Sat, 28 Sep 2002 12:02:04 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [136428] NorCal Crystals, a correction and an addition
Message-ID: <00be01c26721\$8ba938a0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I have some information that I would like to share with you. First of all, I listed 7.112 as a frequency available, that was a mistake. I have

7.122 available, but only 41 in stock at this time. I will probably not reorder those, as they were for the Novices before the rules changed.

I have 14.060 in stock, but only 25 at this time. More are due in 3 weeks.

I have a good supply of 7.040 crystals. No problem here.

I will be receiving 1000 of the 10.116 crystals Monday. Again, no problem here.

Yesterday, I was in the Bay Area and went to an electronics store. I picked up a bag of 3.579 colorburst crystals in HC49U holders made by Fox Crystals. I had assumed that everyone could easily obtain these, but I must have been wrong, because there seems to be an interest. These will sell for \$.25 each. If you only order 1 crystal though, please send me a \$1 to cover the crystal, postage and the envelope. But if you piggyback the 3.579 crystal with another order, they are only \$.25 each.

And don't forget the 10 crystal mix or match deal. You can order any combination of 10 custom QRP frequency crystals, 7.122, 7.040, 10.116 and 14.060 for \$25, including shipping and handling. That works out to \$2.50 per crystal, including shipping and handling. Don't worry, if you order 14.060 and I am out of them, I will ship your partial order and the 14.060's when they get here.

I save all the orders until Thursday, and then work them up and ship on Fridays. I only go to the post office one time per week. 72, Doug

Date: Sat, 28 Sep 2002 14:33:46 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Richards <wr3i@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136429] RE: Wire and ferrite baluns
Message-ID: <Pine.LNX.4.44.0209281429200.3178-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's used in this tuner for a balanced line feedline. I wound the balun and put it in the Radio Shack Box along with all the other toroid coils and have a switch that puts it in the output circuit when wanted.

On Sat, 28 Sep 2002, Dave Richards wrote:

> Karl,
> I am curious How do you use the 1:1 Balun on you 20 watt tuner?
> Dave
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Karl F. Larsen
> Sent: Saturday, September 28, 2002 11:38 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Wire and ferrite baluns
>
>
>
>
> Bill your trying to tell me that I do not understand and neither does
> MFJ. All I can tell you is the following: I got a balun kit from LBJ
> having a red powdered iron core and it was a 4:1 balun and did not work
> at all on any frequency. I bought a uncolored ferrite core and rewound
> the balun for 4:1 and it worked fine from 80 thru 10 meters. I then
> reconnected it for 1:1 balun and it is working fine now on my antenna.
>
> I used a small ferrite core and made a 1:1 balun on my Dan's
> Small Parts 20 watt T tuner I built. It works fine 80 thru 10 meters.
>
> All three of my MFJ antenna tuners have ferrite cores hooked up
> as 4:1 baluns because it makes it convenient to bring out to connectors
> in the back of the tuner. I reconnected one to 1:1 and it's working
> fine.
>
> Please give me an example of a balun that works using a powdered
> iron core. The Z-match is not a balun.
>
>
> On Fri, 27 Sep 2002, Bill Coleman wrote:
>
> > On 9/27/02 5:01 PM, Karl F. Larsen at k5di@zianet.com wrote:
> >
> > >As usual, your wrong Bill.
> >
> > I believe the converse is usually the case.
> >
> > >The MFJ-989 balun has a ferrite core. So does all my MFJ tuners.
> >
> > If it has a ferrite core, it cannot be a voltage balun. The windings
> > would have far too much inducance to do the job properly.
> >
> > If the cores are ferrite, as you say, the MFJ tuners must be using a
> > current balun. You cannot wire up a current balun to have a 4:1

Running Mandrake 6.2 at the moment. Got some 8.2 disks on the way.

Did man fsck on the / partition and it found a lot of stuff, but for some reason my login screen was vastly different in looks, and in the fact that it lacked a button for me to click to shutdown my 'puter...

72/73/oo
Rob, w0jrm

On Sat, 28 Sep 2002, Paul Mills wrote:
Short answer: man fsck

fsck can make repairs, but the best cure is backups.

A couple of questions:

1. What flavor of Linux? e.g, Redhat 7.2, Slackware 7.0. etc.
Just for my info.
2. Does your system boot up or does it puke all over the screen? If it boots, there is hope, though there may still be data loss.
3. Do you have some kind of rescue/recovery disk? SOME distros may have this. Even without it, you can boot from the install disk, mount the trashed volume and do a fsck.

There is a lot of information in the /usr/doc/ area that can help you plan a strategy against future filesystem tragedies. Don't be timid, Linux is a hands-on OS and a curious and experimental nature will be rewarded!

[Attention all: I hope the above will prove to be a template for handling questions. Several years as an Autocad training and support person and later a network manager in a medium sized firm with all female users gave me patience!]

Paul KB1GEJ
quahog@localnet.com

----- Original Message -----

From: Rob Matherly <w0jrm@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, September 28, 2002 9:20 AM
Subject: OT: Need Linux Help

> Well, I left the subject line off the first (second) time :^)
Here it goes

> again so you know what in the world I'm talking about:
>
> Is there some way to repair your file system when your PC
crashes, other than
> formatting the *&\$^ drive and starting all over again?
>
> 72/73/oo
> Rob, w0jrm
>
> =====
> <http://www.qsl.net/w0jrm>
> =====
>

Date: Sat, 28 Sep 2002 13:08:18 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [136431] QRPacificon Friday Night No Host Banquet Details
Message-ID: <00c601c2672a\$cc874660\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, our NorCal Banquet Chairman, Dr. Megacycle, aka Jim Duffey has outdone himself again. He has made arrangements for NorCal to use the upstairs private banquet room at Fuddruckers in Concord for the 9th or 10th annual NorCal No Host QRP Banquet. This year, we can place our orders upstairs, and not have to stand in that loooong line out the door, grin. The start time for the Banquet will be at 6:30 PM on Friday, Oct. 18th. We can all meet in the lobby of the hotel at 6:00 PM to arrange for rides. We'll give you directions then on how to get there.

Dr. Megacycle has arranged for the following menu choices. He says that he hates to go to a banquet where they give you one or two choices and charge you \$25. So, he has come up with many, many more choices and at a much cheaper price. Way to go Doc!!

Here is the menu:

Original Chicken Sandwich \$4.99
Golden Gate Chicken Sandwich (Jack Cheese, Honey Mustard & Bacon) - \$5.99
Southwestern (Pepper Jack Cheese, New Mexico Green Chile) \$5.99
Teriyaki Chicken - \$5.99
B.B.Q. Chicken - \$5.99
Monterey Mushroom Chicken (Jack Cheese & Mushrooms) \$5.99
Cajun Chicken - \$5.49

Lemon Pepper Chicken - \$5.49
Crispy Chicken Sandwich - \$5.29
Fools Gold (Battered Chicken Tenders) \$5.29
Ribeye Steak Sandwich \$6.49
Grilled Orange Roughy Sandwich \$5.89
Big Dog \$\$3.29
Chili Cheese Dog \$3.99
Bowl of Chili w/Texas Toast \$2.99
Grilled Chicken Salad \$6.89
Caesar Salad \$5.29
Grilled Chicken Caesar Salad \$6.89
Chicken Taco Salad \$6.49
Side Salad or Side Caesar Salad \$3.49

Burgers:

The Original Hamburger \$3.99
The Gold Rush (Jack Cheese, Bacon, Guacamole) \$5.59
The Mother Lode (Cheese, Bacon, Mushrooms) \$5.59
The Shanghai (Teriyaki sauce, Jack Cheese, Pineapple) \$5.59
The 49er (obviously named after the famous NorCal kit. These guys know who there customers are)(Pepper Jack Cheese, Guacamole, Pico de Galio) \$5.59
The Fudd 66 Pepper Jack Cheese, New Mexico Green Chile \$5.59
The American River BBQ Sauce, Cheddar Cheese, Bacon \$5.59
The Barbary Coast Monterey Jack Cheddar and Swiss Cheese \$5.59
Note: These prices are for 1/3 pound burgers. 1/2, 2/3 & 1# versions are available.

Turkey Burger \$4.29
Veggie Burger \$4.29
Ostrich Burger \$4.49

Sides include:

A bunch of fries \$1.59
Chili Cheese Fries \$2.69
Bacon Cheese Fries \$2.69
Onion Rings \$1.99
BBQ Baked Beans \$1.29
Baked Potato \$3.29 (order if you want to feel like you are at a formal banquet)

Drinks

Domestic Beer \$2.59
Premium Beer \$2.99
Milk, Coffee or Tea \$1.59
Soft drinks \$1.59

Wow! Doc, what a great job you have done. Plus, remember this is a NorCal Banquet so the following applies:

Pick your own seat
No head table
No Speakers
Pay your own tab (Vern isn't buying, grin)

Have fun
Dress is casual or optional, your choice
No suits or ties allowed
QRP badges and shirts are encourage to be worn
No door prizes (we don't know anyone who sells qrp doors)

Be sure and thank Dr. Megacycle for all of his hard work. I know he says that you won't believe how easy it is to do all of this, or that he will say that you won't believe how little actual work that he does, but we all know better. Doc, thanks for your tremendous effort here, and all of us appreciate the many, many hours you have spent on our behalf. 72, Doug

Date: Sat, 28 Sep 2002 15:37:37 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'inforhc@ip.etcusa.cu'" <inforhc@ip.etcusa.cu>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136432] RE: Bandwidth of crystal ladder filters CW and SSB
Message-ID: <01C26704.F99F6C20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Prof. Arnaldo-

Some good questions. I'm not able address most of them, but I hope to be able to as I learn more about crystal filter design.

I think close matching in frequency is important if that's your only method of imposing control over parts quality. Then you use a design technique that assumes identical crystals. But Glen Leinweber (VE3DNL) and I had a mini-thread on the subject the other day about how you might use crystals that aren't exactly matched.

All meshes of the ladder should be at the same frequency. The shunt capacitors at the ends of each crystal create a series resonant loop with the crystal that is higher in frequency than the crystal's natural frequency. The normal technique for correction is to place additional capacitors in series with the crystals with the lowest mesh frequencies, bringing them up to match the highest.

But another method might be to exploit the fact that your pile of crystals will have some frequency differences among them. Put those with the lowest frequencies in the higher frequency meshes and vice versa--maybe even

avoiding the need for the extra capacitors. Of course, this method doesn't lend itself well to mass production, or maybe not even to "kitting", but it's great for a ham custom building a filter or two. I don't know how often this method would work out in practice, but it's interesting to consider.

I'm not really up on all the ways that SSB BW filters are different from CW BW ones. But I do think I've heard that crystals should be matched to within 10% of so of the BW, so it seems you would have more leeway with phone width filters.

Regarding costs--yes, I was amazed to find that good quality crystals are available from Mouser and similar places for 50 cents or so apiece in a pretty good selection of standard frequencies. Hope you're able to take advantage of something similar in your QTH. And now we have a "gas war" type situation going on here on QRP-L to boot! It's a great time for homebrewing crystal filters. (And little QRP RXs and TXs.) I'm going to grab some of those 9 MHz rocks and some of the 3.579's too. Of course, if someone has gone to the trouble of measuring and matching the crystals for filter use, surely he's entitled to ask for some compensation for that effort.

I would think that even a three crystal unit would do OK for an economy class SSB rig. I'd be interested to hear if folks with more experience agree with that.

72--Nick, WA5BDU

-----Original Message-----

OK, but does
the accuracy of the match influence the wider
bandwidth SSB filter less than the CW much narrower filters ??

4. What would be the simplest and lowest cost
design for a SSB filter... and by this I mean using
the least number of crystals and other parts ?

5. Which are the more popular and lower cost
frequencies available from suppliers around the world ???

I
HOPE this is accepted as a QRP related topic
and that it may generate a LOOOONNNG and interesting thread...

Me too.

Date: Sat, 28 Sep 2002 14:46:23 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Hugo <hugo@optonline.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [136433] Re: Wire and ferrite baluns
Message-ID: <Pine.LNX.4.44.0209281439260.3178-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Hugo,

On Sat, 28 Sep 2002, Hugo wrote:

> You can use ferrite to make either a voltage or current balun.
>
> With Iron powder, since the permeability is much less than ferrite, size
> does matter and you can not use a small core.
> The same turns ration don't apply. The desired bandwidth is easier to
> achieve with higher perm cores. Most of the time the price to pay is low
> efficiency, (heat loss), although you see a nice match with the network.
> Speaking of MFJ, they have a reversible L 'mobile' tuner (don't know the
> model, but you might know it), with a coil wound on two stacked ferrite
> cores about 1 1/4 " diameter that matches almost anything with a nice
> bandwidth. If you thing about it, the reason is simply the horrible losses
> in that core that makes it so easy to match to a low VSWR
>
> Also never forget that the core is only necessary for lower bands. The same
> "wideband-cure_it_all" balun (80-10M), doesn't make use of the core's
> magnetic properties on higher bands.
>
> I don't know who LBJ is nor what he or she sells, therefore I can't tell
> whether the design is flawed or you wound it wrongly.

Sorry, my error. It's a LDG balun and it was shipped with a powdered iron core and I ran the test where you make a load with 2 series resitors and ground the center. It failed with the powdered iron core. And passed with the ferrite core.

>
> My point is that you can even make an efficient current (choke) or voltage
> balun with either or NO core at all.

Yes you can and MFJ has started using no core on some tuners.

>
> It seems to be a confusion amongst some list members on this issue. The
> ARRL Antenna Handbook has plenty of info about transmission line
> transformers.
>

Yes there is and the ARRL Antenna Book does cover this well.

> 72,
> Hugo
> AA1XV a.k.a. CX9AAK
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 28 Sep 2002 14:51:53 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136434] Re: "Looking It Up"
Message-ID: <3D961668.38DF5CF3@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't think it is paranoia - this place, at one time, was a very friendly watering hole for folks to bounce ideas around, ask questions. Bottom line is that if folks come here, ask a question only to get insulted or given the riot treatment, they will go away. This list will be thought of as an old farts group and new hams or ham wannabes will go away and the list will continue to gripe about how things ain't as good as the good 'ole days and the list, too, will dry up and blow away.

Be warm and receptive and the fruits of that labor will grow ten fold !!!!!

72 - john - n0hj

"Richard Brummer, K2JQ" wrote:

> Hi Jess -- good to see you back on the list !
>
> I've sat here for the several days that this thread has been ongoing. One
> thing that bothers me is that people have gotten paranoid about asking
> questions now.

Date: Sat, 28 Sep 2002 15:02:56 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rob Matherly <w0jrm@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136435] Re: OT: Need Linux Help
Message-ID: <Pine.LNX.4.44.0209281456030.3178-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Rob, the latest versions of Red Hat Linux 7.2 and 7.3 offer a
a new file system they call ext3 which is not as bad about a power down
PC crash. My linux comes right back up.

You seem to have the older ext2 file system which is sometimes
damaged by a PC power failure. I gather as your linux loads it gets to
mounting the file system and errors out. Usually it asks you if you want
to run software to rebuild the file system. When this happens tell it to
go ahead. This often works.

On Sat, 28 Sep 2002, Rob Matherly wrote:

> Well, I left the subject line off the first (second) time :^) Here it goes
> again so you know what in the world I'm talking about:
>
> Is there some way to repair your file system when your PC crashes, other than
> formatting the *&\$^ drive and starting all over again?
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> 72/73/oo
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>
> =====
> <http://www.qsl.net/w0jrm>
> =====
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sat, 28 Sep 2002 15:01:40 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
"Elecraft-list" <elecraft@mailman.qth.net>,
Subject: [136436] More FS
Message-ID: <001201c26732\$3ea26110\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NC 20 posted earlier is spoken for, still have the PSK-20 and some other items:

PSK-20 \$130 shipped CONUS

Pictures at: <http://www.frii.com/~rwc/psk20/psk20.html>

This rig has the VOX mod I posted about a few weeks ago, see:

http://www.frii.com/~rwc/psk-20_vox/

If you don't want the rig "VOXed" I can restore it to original condition easily.

* * *

K2 #2006 \$775 shipped (and insured) CONUS

Pictures at: <http://www.frii.com/~rwc/k2/k2.html>

Excellent condition, included in price is KAT2 Ant Tuner and KAF1 Audio Filter/RTC.

* * *

Super Antennas PW1 \$150 shipped Conus

Pictures at: <http://www.frii.com/~rwc/pw1/pw1.html>

Optional tripod included.

* * *

Siemens SP-75 75W Solar Panel \$350 shipping TBD

New never used. Price includes a "Specialty Concepts" charge controller, model ASC 12/12, and roof bracket for the solar panel.

Prefer a buyer who can pick this up, the Panel is big about 24in. X 48in. but will ship to a buyer willing to split shipping costs.

As I said before I just hardly operate any more and this stuff is just sitting around.

73, Rod NØRC

Date: Sat, 28 Sep 2002 17:20:54 -0400
From: Ken Kirkley <no4d@charter.net>
To: tentec@contesting.com
Cc: qrp-1@lehigh.edu
Subject: [136437] HamFest & Argonaut V
Message-ID: <5.1.1.6.0.20020928165108.00b16830@mail.charter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

<http://www.northspartan.org/tentec.html> for pictures

Welp...just got back home from the radio mecca of the southeast...Sevierville, TN. Went up again this year to be a part of a very enjoyable hamfest and gathering. Was special this year in that TenTec was putting its 2 newest radios on tables for anxious fingers to play with. The Orion and the Argonaut V were brought out to the operating tent at 5:00pm on Friday. All eyes were turned in their direction. Amazingly I was able to slip in through the tent flap to one of the tables as the radios were being set up. Even more amazing was the fact that I was the first one to operate the Argonaut V at that table. As a matter of fact, to my knowledge, I was the first to make a contact with either one of the Argonauts (were two of them)! WOW!!!

I was able to spin the tuning knob using both the slow tuning mode and the fast tuning mode until I found a QSO on 14.264. While waiting for a chance to throw in my callsign I fiddled some with the buttons on the front panel. Set the rig for full power (20 Watts) and IMpatiently waited for a chance to call. At approximately 5:30pm I threw my call out and was thrilled to hear KE1MB, Joe, from MA answer me. Had a quick 5 minute QSO with him. Received a great audio report on the Argonaut V. He was impressed with what it was doing on 20 watts into a G5RV antennae.

My impression of the Argonaut V was, "Stan, can't I please go ahead and bring mine home while I am at TENTEC?" Unfortunately, he told me that I would still have to wait for it to be shipped in October. :(For those wondering, the tuning knob is a heavy hunk of zinc that had a great feel to it. It had a finger hole if needed for quick spinning. But, with the fast tune enabled (FUNC key then FAST key) you really fly across the band. I was only able to spend about 5-10 minutes with the rig due to others who wanted their turn. <grin>, but the time I spent with it was rewarding. The controls were all very intuitive. Was able to do what I wanted without the aid of a 10 lb manual. The receive audio was very good.

Be sure to check out my pictures at <http://www.northspartan.org/tentec.html>. These pictures will not appear on a menu anywhere. Only way to them is by typing in the address or clicking on the link.

What a great trip!

Ken/N04D (who is awaiting the delivery truck in October)

Oh, by the way, that is me on the bottom line of pictures with the microphone in my hand and the grin on my face!

Date: Sat, 28 Sep 2002 17:36:56 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [136438] Re: "Looking It Up"
Message-ID: <20020928173507.T83040-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 28 Sep 2002, Bruce Muscolino wrote:

> was not especially interested at the time, but the field of Apologetics
> is a valid field.

I think I worked Apologia back in 1955. Never got a QSL from there, tho.
I think it's a Greek Island, as I recall many Greek philosophers and early
christian writers made use of apologia.

thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Sat, 28 Sep 2002 17:44:50 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <no4d@charter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136439] RE: HamFest & Argonaut V
Message-ID: <FAEEKPCBNNDNKGMPIBKGEOFCGAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

But...but.. What about The Orion?
Dave

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Ken Kirkley
Sent: Saturday, September 28, 2002 5:21 PM
To: Low Power Amateur Radio Discussion
Subject: HamFest & Argonaut V

<http://www.northspartan.org/tentec.html> for pictures

Welp...just got back home from the radio mecca of the
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Date: Sat, 28 Sep 2002 15:59:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: JOSE VICENTE <vicente@supernet.com.br>
Cc: qrp-1@lehigh.edu
Subject: [136440] Re: balun test
Message-ID: <Pine.LNX.4.44.0209281542520.3277-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jose, I will write it to you and the QRP-L list.

I wish I could draw a picture but you can't do it with a e-mail.
So in words picture this:

Hook the output of the balun to a MFJ Antenna Analyser and assuming the balun is a 4:1 type put a load made from 2 each 100 ohm 1/4 watt resistors in series.

If the resistors are accurate your MFJ should indicate the impedance to be 50 ohms with no reactive components. You might have some small reactive component caused by the balun.

Now observe that the junction of the two resistors is the center tap of a balanced load. Now if the load is really balanced, you should be able to run a wire from the center tap to ground (the shield of the coax output of the balun) and there will be NO effect of any kind.

I use a short clip-lead and just hold the end to ground on ground. Watch the SWR while touching ground. It might change just a tiny bit and be good. On a bad balun the swr will jump high and show that the load is not balanced.

On Sat, 28 Sep 2002, JOSE VICENTE wrote:

>
>
> Karl;
>
> Can you please tell me how to do the balun test with 2 resistors?
>
> Thanks, Joe py2auc
>
> You wrote:
> I ran the test where you make a load with 2
> series resistors and ground the center
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 28 Sep 2002 17:08:51 -0500

From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@lehigh.edu>
Subject: [136441] MC1350 input Z
Message-ID: <01C26711.B8AAC720.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Couldn't let it rest. The whole Y-parameter thing. I usually like to skip over that complicated stuff in the data sheets, apply some tried and true ham rules of thumb, and hope for the best. But now the question of whether y_{11} can be transformed directly into the input Z has nagged at me.

Wes Hayward's Intro to RF Design discusses two port networks and all the various ways of characterizing them: y's, pi's, z's and s's in chapter 5. Strikes fear into a mathophobic's heart.

Basically you view the doohickey as a black box with two input terminals (the "1" end) and two output terminals (the "2" end). In the case of y (admittance) parameters, tests are done to come up with four y parameters such that these equations are true:

$$(1) \quad I_1 = y_{11}V_1 + y_{12}V_2, \text{ and}$$

$$(2) \quad I_2 = y_{21}V_1 + y_{22}V_2$$

Where I_1 and V_1 are the input current and voltage and I_2 and V_2 are the same at the output.

We'd like to know the input admittance, which is the reciprocal of the impedance and is equal to I_1/V_1 . From equation (1), you can see that if it weren't for that pesky second term, I_1/V_1 would simply equal y_{11} , which is given in the data sheet. But no--it seems that the output voltage is going to have some effect on the input current, and therefore on the input Y.

Hayward gives the formula for calculating input admittance from the y parameters and connected load admittance (Y_L) as follows:

$$(3) \quad Y_{in} = y_{11} - (y_{12}y_{21})/(Y_L + y_{22})$$

Now, onward to the MC1350 data sheet. Does it give all those parameters so we can crank this thing out? Pretty much, but it's kinda coy about one or two of them.

At 10.7 MHz,

$$y_{11} = 0.36E-3 + .5E-3j$$

$$y_{22} = 4.4E-6 + 110E-6j$$

$$y_{21} = 160 \text{ at an angle of } -19 \text{ degrees (specified in polar, for some reason)}$$

$y_{12} = \ll 1.0\text{E-}6$ (much less than 1 micromho, absolute value)

They give the $y_{12} \ll 1\text{E-}6$ a couple of times, like they're bragging. Wonder why? Well, it's that pesky factor in equations (1) and (3) that complicate life. If it were small enough to render those terms negligible, then the input impedance would simply be y_{11} and life would be better. Is that what they're telling us? The output doesn't affect the input to an appreciable extent?

Crank it out on Excel. Using the complete equation and 5k ohms for the load, I get $Z_{in} = 976 - 1294i$ ohms. By converting just y_{11} to Z , I get $948 - 1317i$ ohms. Not a lot of difference. In this case at least, $Z = 1/y_{11}$ is a good approximation.

You might match to this thing by using a series inductor to cancel the 1300 ohms capacitive and then match to the 976 ohms resistive. Another, probably better, way is to convert these series form numbers into equivalent parallel ones. A series form Z of $948 - 1317i$ is the same as an R of 2777 ohms in parallel with X_c of 1999 ohms. That X_c at 10.7 MHz is equivalent to a parallel C of 7.3 pF. Since ladder filters typically have a shunt C at the end, it's value could just be reduce by 7.3 pF and the filter designed to match 2777 ohms.

End of raving. Closed course, inexperienced driver, no QA department, your results may be significantly different.

And now it's almost time for Arkansas Vs. Alabama.

72--Nick, WA5BDU

Date: Sat, 28 Sep 2002 16:13:01 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Cc: <leinwebe@mcmail.cis.mcmaster.ca>
Subject: [136442] Re: Crystal Filter Matching
Message-ID: <B9BB858D.1DE42%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Glen - Thanks for your excellent post on the mesh frequncies of crystal filters.

The mathematics of filter design and how the math relates to real life components is fascinating. There are a large number of filter configurations, governed only by the cleverness of the filter designer and the number of available mathematical functions.

Isn't the reason that hams like to match crystal frequencies for crystal filters exactly go back to Hayward's early QST article? Hayward described a Cohn filter. If I recall my filter theory correctly a Cohn filter has all components equal. that is all the crystals are identical and all the capacitors are identical. I also seem to recall that the Cohn filter is also an minimum loss filter.

Always nice to see your posts. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sat, 28 Sep 2002 15:12:52 -0700 (PDT)
From: Duane Alles <w9zm@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [136443] How to tune TS-520
Message-ID: <20020928221252.18260.qmail@web13902.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello All,

I dug out my old ts-520 & can't find the manual. Can anyone tell me how to tune the finals.

Thanks & 73
Duane, W9ZM

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
<http://sbc.yahoo.com>

Date: Sat, 28 Sep 2002 18:25:24 -0500
From: W2EB <w2eb@twcnny.rr.com>
To: qrp-l@lehigh.edu
Subject: [136444] Re: DDS spurs

Message-ID: <3D963A64.9B0890B4@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wouldn't this be as much a function of the front end filtering of the receiver?

Bill
W2EB

Spurs seem to be a problem with DDS VFOs, most sources I've read
> seem to suggest around -50dBc for the spurs.
>
> Just how much of a problem are these going to be to a high performance
> receiver?
> 72/3
>
> Matthew M5EVT

--
"Thomas Hodgkin died of natural causes"

Date: Sat, 28 Sep 2002 18:48:44 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [136445] Re: How to tune TS-520
Message-ID: <01ae01c26741\$33baa3c0\$6501a8c0@cable.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Duane,

If you are interested, I found a site which has a downloadable manual for the 520

http://www.kg6haf.com/downloads/520S_manual.pdf

You will find the transmitter tuning details in section 4.11

73
Dick K2JQ
----- Original Message -----
From: "Duane Alles" <w9zm@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 28, 2002 6:12 PM
Subject: How to tune TS-520

> Hello All,
>
> I dug out my old ts-520 & can't find the manual. Can
> anyone tell me how to tune the finals.
>
> Thanks & 73
> Duane, W9ZM

End of QRP-L Digest 2692

